

REPORT ON SURVEY OF U.S.
SHIPBUILDING AND REPAIR FACILITIES
2002

Prepared By:

Office of Shipbuilding and Marine Technology
December 2002

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TABLE OF CONTENTS

	<u>PAGE</u>
Introduction	1
Overview of Major U.S. Private Shipbuilding and Repair Facilities	5
Shipyard Classification Definitions	6
Number of Shipyards by Type (Exhibit 1)	7
Number of Shipyards by Region (Exhibit 2)	8
Number of Shipyards by Type and Region (Exhibit 3)	9
Number of Building Positions by Maximum Length Capability (Exhibit 4)	10
Number of Build and Repair Positions (Exhibit 5)	11
Number of Build and Repair Positions by Region (Exhibit 6)	12
Number of Floating Drydocks by Maximum Length Capability (Exhibit 7)	13
Number of Production Workers by Region (Exhibit 8)	14
Number of Production Workers by Shipyard Type (Exhibit 9)	15
Number of Production Workers 1982 – 2002 (Exhibit 10)	16
Major U.S. Private Shipbuilding and Repair Facilities Listing	17
Descriptions and General Arrangement Drawings for the Active Shipbuilding Yards	25
Bath Iron Works Corporation	26
Yard Drawing (Exhibit 11)	27
Bender Shipbuilding and Repair Company, Inc.	28
Yard Drawing (Exhibit 12)	29
Electric Boat Corporation	30
Yard Drawing (Exhibit 13)	31
Kvaerner Philadelphia Shipyard Inc.	32
Yard Drawing (Exhibit 14)	33
National Steel and Shipbuilding Company	34
Yard Drawing (Exhibit 15)	35
Northrop Grumman Newport News	36
Yard Drawing (Exhibit 16)	37
Northrop Grumman Ship Systems, Avondale Operations and Ingalls Operations	38
Yard Drawing (Exhibit 17)	40
Yard Drawing (Exhibit 18)	41
VT-Halter Marine Pascagoula	42
Yard Drawing (Exhibit 19)	43

TABLE OF CONTENTS

(continued)

	<u>PAGE</u>
Shipbuilding Industry and Activities - 2002	45
Major Shipbuilding Facilities in the United States	
Active Shipbuilding Yards (Exhibit 20)	46
Other Shipyards with Build Positions (Exhibit 21)	47
U.S. Shipbuilding Industry Workload Projection (Exhibit 22)	48
U.S. Commercial Shipbuilding Orderbook (Exhibit 23)	49
U.S. Commercial Ship Construction (Exhibit 24)	50
Aggregate U.S. Shipbuilding Orderbook (Exhibit 25)	51
Overall New U.S. Shipbuilding Orders (Exhibit 26)	52
U.S. Commercial Ship Deliveries (Exhibit 27)	53
U.S. Naval Ship Deliveries (Exhibit 28)	54
U.S. Navy's T-Ship Program (Exhibit 29)	55
Projected U.S. Navy Shipbuilding Plan (Exhibit 30)	56
Capital Investment in U.S. Shipbuilding (Exhibit 31)	57
Total Employment in U.S. Private Shipyards (Exhibit 32)	58
Average Earnings in U.S. Private Shipyards (Exhibit 33)	59
Shipyard Activity Report Summary 2002	61
Shipyard Orderbook as of December 31, 2002	62
Contracts for New Vessels (October 2001 – December 2002)	63
Vessels Delivered (October 2001 – December 2002)	65
Appendix A – Standard Form 17 - Facilities Available for the Construction or Repair of Ships	A-1
Appendix B – Major U.S. Private Shipbuilding and Repair Facilities	B-1
Appendix C – Medium and Small Size U.S. Private Shipyards	C-1
Appendix D – Alphabetical Index for Shipyards	D-1

INTRODUCTION

In compliance with the Merchant Marine Act of 1936, as amended ^{1/}, the Maritime Administration (MARAD) conducts an annual survey of the U.S. shipbuilding and ship repair industry to determine if an adequate industrial base exists for national defense and for use in a national emergency. This Report on the 2002 survey of U.S. shipyard facilities was prepared by MARAD's Office of Shipbuilding and Marine Technology, and is in response to the congressional mandate.

The statistical data accumulated by the survey is an important element in the assessment of the adequacy of the Nation's shipbuilding industrial base, including ship repair. It also provides critical input in determining which facilities will be used during the reactivation of the reserve fleets maintained by MARAD and the U.S. Navy.

In addition, the survey also provides a database that is used to evaluate the feasibility of proposed shipbuilding programs. From the data obtained, determinations are made as to which existing shipyards might construct proposed ships, consistent with ship size and delivery date requirements. The need for construction of new facilities to meet the demands of proposed shipbuilding programs can be also identified. The information, gathered by the annual survey, is also used extensively by MARAD in responses to queries received from a variety of interests, including members of Congress, the Secretary of Transportation, the Department of Defense, the Office of Management and Budget and other Government agencies.

Each year in late spring, Standard Form 17 (SF-17), "Facilities Available for the Construction or Repair of Ships," (Appendix A) is mailed to approximately 350 U.S. shipbuilding and ship repair facilities. The form developed jointly by MARAD and the U.S. Navy, represents a detailed questionnaire seeking information on shipbuilding and ship repair facilities, data not available from any other source on a continuing and structured basis.

^{1/} Section 210 - "It shall be the duty of the Secretary of Transportation to make a survey of the American merchant marine, as it now exists, to determine what additions and replacements are required to carry forward the national policy declared in Section 101 of this Act, and the Secretary of Transportation is directed to study, perfect, and adopt a long-range program for replacements and additions to the American merchant marine so that as soon as practicable the following objectives may be accomplished: ...Fourth, the creation and maintenance of efficient shipbuilding and repair capacity in the United States with adequate numbers of skilled personnel to provide an adequate mobilization base."

Section 211 - "The Secretary of Transportation is authorized and directed to investigate, determine, and keep current records of ... (g) The number, location, and efficiency of the shipyards existing on the date of enactment of this Act or thereafter built in the United States;"

Section 502(f) - "The Secretary of Transportation with the advice of and in coordination with the Secretary of the Navy, shall, at least once each year, as required for purposes of this Act, survey the existing privately owned shipyards capable of merchant ship construction, or review available data on such shipyards if deemed adequate, to determine whether their capabilities for merchant ship construction, including facilities and skilled personnel, provide an adequate mobilization base at strategic points for purposes of national defense and national emergency."

The completed SF-17's are reviewed and analyzed by MARAD's Office of Shipbuilding and Marine Technology and the U.S. Navy's Naval Sea Systems Command. The results of the analyses are published in this Report, which have been organized and condensed into narratives, exhibits, and appendices to focus attention on the areas of greatest interest to those using the publication.

The shipyard classifications and definitions contained in this Report are based on the joint U.S. Navy and MARAD 1982 Shipyard Mobilization Base Analysis (SYMBA). SYMBA established 1982 as the base year for subsequent annual studies and determined that only facilities with build or repair positions 114 meters (375 feet) or greater would be included in the Major Shipbuilding and Repair Base. In 1985, this shipyard capability parameter was increased to 122 meters (400 feet).

Consequently, a major shipbuilding and repair facility is defined as one that is open and has the capability to construct, drydock, and/or topside repair vessels with a minimum length overall of 122 meters, provided that water depth in the channel to the facility is at least 3.7 meters. Details concerning such facilities are contained in Appendix B of this Report.

Appendix B is a statistical abstract of data gathered from 93 companies responding to MARAD's annual survey, which meet the above criteria. It lists the facilities sorted by region, and displays information with respect to the size and type of each building position, drydock, berth space, employment, and remarks regarding principal shipyard activities.

In summary, Appendix B offers the following definitions and data:

Active Shipbuilding Yards

The Active Shipbuilding Yards are comprised of privately owned U.S. shipyards that are open, having at least one shipbuilding position capable of accommodating a vessel 122 meters (400 feet) in length or over. In addition, these shipyards must own or have in place a long-term lease (1 year or more) on the facility in which they intend to accomplish the shipbuilding work, there must be no dimensional obstructions in the waterway leading to open water (i.e., locks, bridges), the water depth in the channel to the facility must be a minimum of 3.7 meters (12 feet), and they must currently be engaged in the construction of naval ships and/or major oceangoing merchant vessels 122 meters in length and over.

Other Shipyards With Build Positions

Other Shipyards With Build Positions are those privately owned shipyards/facilities that are open with at least one building position capable of accommodating a vessel 122 meters in length and over, and that have not constructed a naval ship or major oceangoing merchant vessel in the past two years.

Repair Yards With Drydock Facilities

Repair Yards With Drydock Facilities are defined as those facilities having at least one drydocking facility that can accommodate vessels 122 meters in length and over, provided that water depth, in the channel, to the shipyard itself is at least 3.7 meters. These facilities may also be capable of constructing a vessel less than 122 meters in length overall.

Topside Repair Facilities

Topside Repair Facilities are those that have sufficient berth/pier space for topside repair of ships 122 meters in length and over, provided that water depth in the channel to the facility itself is at least 3.7 meters. These facilities may also have drydocks and/or construction capability for vessels less than 122 meters in length. Services rendered by these firms vary from a simple repair job to a major topside overhaul, particularly when the work on oceangoing ships can be accomplished without taking the ships out of the water. It is common practice for a shipyard to send its personnel and equipment to provide voyage repairs while the ship is at anchor or working cargo at a commercial marine terminal. There is an increasing trend worldwide to send ship repairers to the ship rather than to bring the ship to the shipyard, thus calling for greater mobility in the use of ship repair personnel.

Notwithstanding the above classifications, the large new construction shipbuilding facilities, described herein generally have drydocks and extensive waterfront acreage that are capable of all types of ship repair and maintenance. Accordingly, it should be noted that major shipyards usually combine repair, overhaul, and conversion with shipbuilding capabilities. It is often difficult, therefore, to draw a sharp line between new shipbuilding yards and ship repair yards, as many of them engage in both types of work.

This Report also contains Appendix C, a compendium of information on medium and small shipyards. This section was added last year to acknowledge the important contributions of this sector of the industry to the vitality of our national economy, to the development of the U.S offshore energy industry, U.S. commerce, and to the support of an energy efficient, environmentally sound, intermodal transportation system.

Finally, the 2002 Survey and other industry related sources of information established the following:

- The Active Shipbuilding Yards employed roughly 57 percent of the U.S. shipbuilding and repair industry's total workforce, as reported by the Bureau of Labor Statistics under SIC 3731. A brief description of the nine shipyards and general arrangement drawings of each yard's facilities (Exhibit 11 – 19) were provided by each of the companies and can be found starting on page 25.
- The 15 Shipyards with Build Positions employed roughly 8 percent of the U.S. shipbuilding and repair industry's total workforce.

- The 9 Active Shipbuilding Yards and the 15 Other Shipyards with Build Positions, combined, account for about 65 percent of the U.S. shipbuilding and repair industry's total workforce.
- A geographical map locating these shipyards can be found in Exhibits 20 and 21.

Questions and comments about this report should be directed to Daniel Seidman at (202) 366-1888 or by email to Daniel.Seidman@MARAD.DOT.GOV.

**OVERVIEW OF
MAJOR U.S. PRIVATE
SHIPBUILDING
AND
REPAIR FACILITIES**

SHIPYARD CLASSIFICATION DEFINITIONS

Active Shipbuilding Yards

The Active Shipbuilding Yards are comprised of those privately owned U.S. shipyards/facilities, that are open, with at least one building position capable of accommodating a vessel 122 meters (400 feet) in length and over, and are currently engaged in the construction of naval ships and/or major oceangoing merchant vessels 122 meters in length and over.

Other Shipyards with Build Positions

Other Shipyards With Build Positions are those privately owned shipyards/facilities that are open, with at least one building position capable of accommodating a vessel 122 meters in length and over, and that have not constructed a naval ship or major oceangoing merchant vessel in the past two years.

Repair Yards with Drydock Facilities

Repair Yards With Drydock Facilities are those shipyards that have graving docks, floating drydocks or marine rails capable of handling naval ships and/or major oceangoing merchant vessels 122 meters in length and over.

Topside Repair Yards

Topside Repair Yards are those shipyards that have sufficient berth/pier space, including dolphins, to accommodate a naval ship or major oceangoing merchant vessel of 122 meters in length or over.

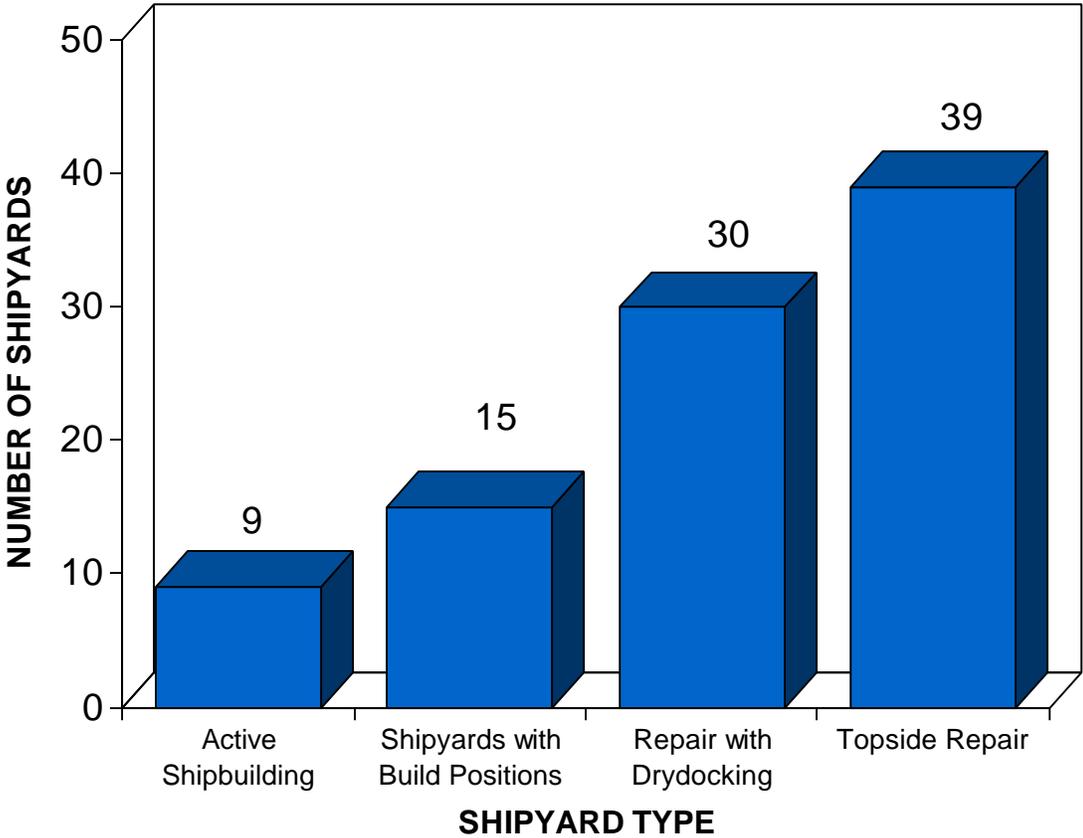
U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE

OCTOBER 2002

NUMBER OF SHIPYARDS BY TYPE

ACTIVE SHIPBUILDING	9
SHIPYARDS WITH BUILD POSITIONS	15
REPAIR WITH DRYDOCKING	30
TOPSIDE REPAIR	39
<hr/>	
TOTAL	93

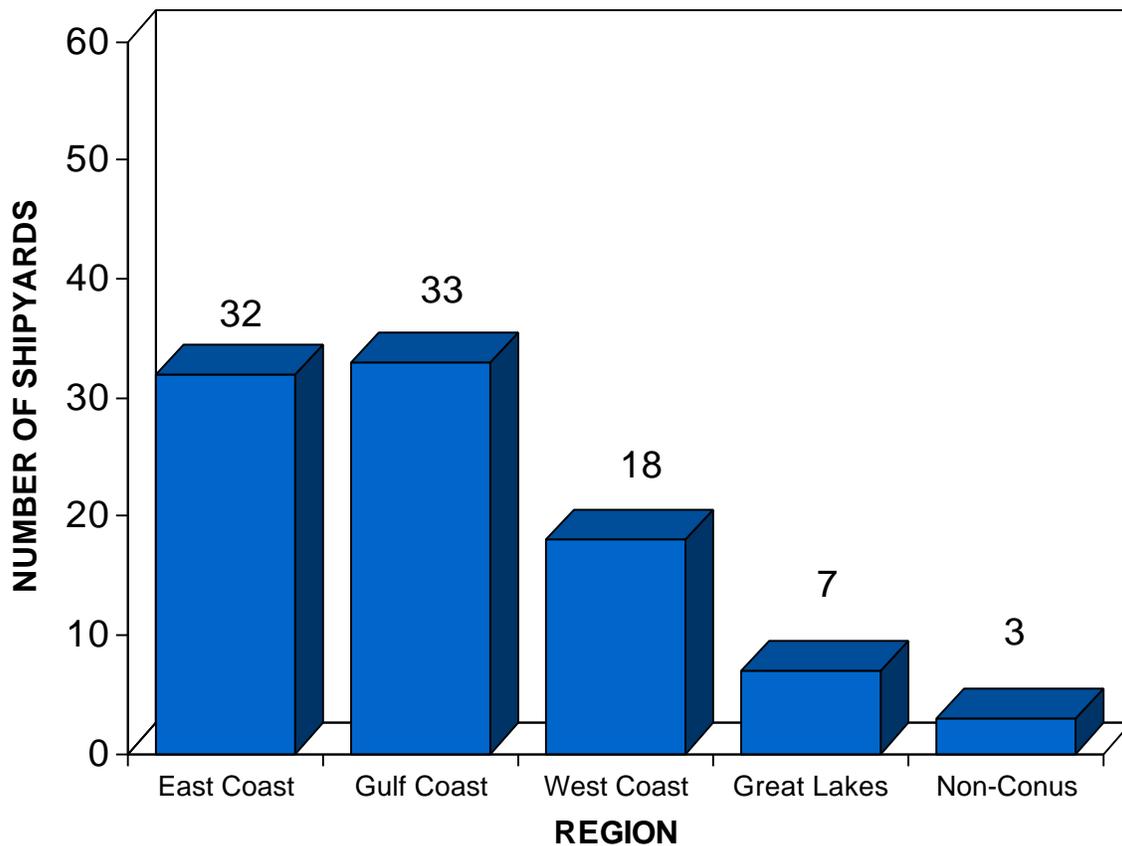


U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2002

NUMBER OF SHIPYARDS BY REGION

EAST COAST	32
GULF COAST	33
WEST COAST	18
GREAT LAKES	7
NON-CONUS	3
<u>TOTAL</u>	<u>93</u>

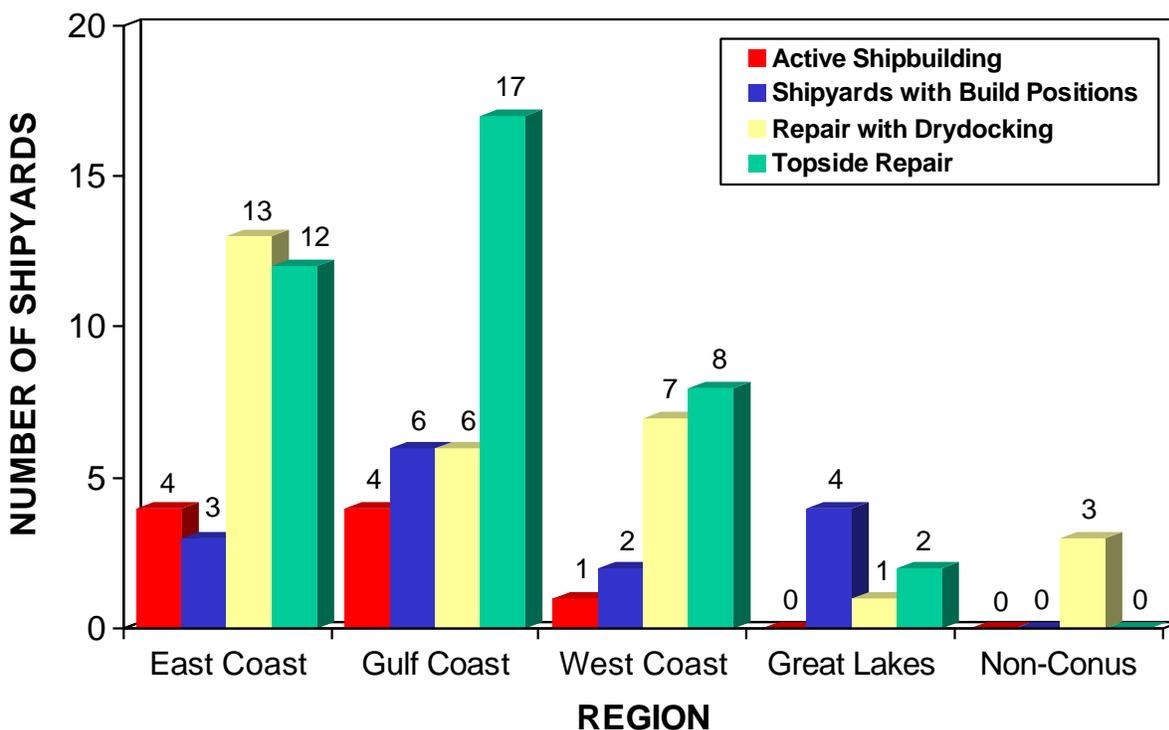


U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2002

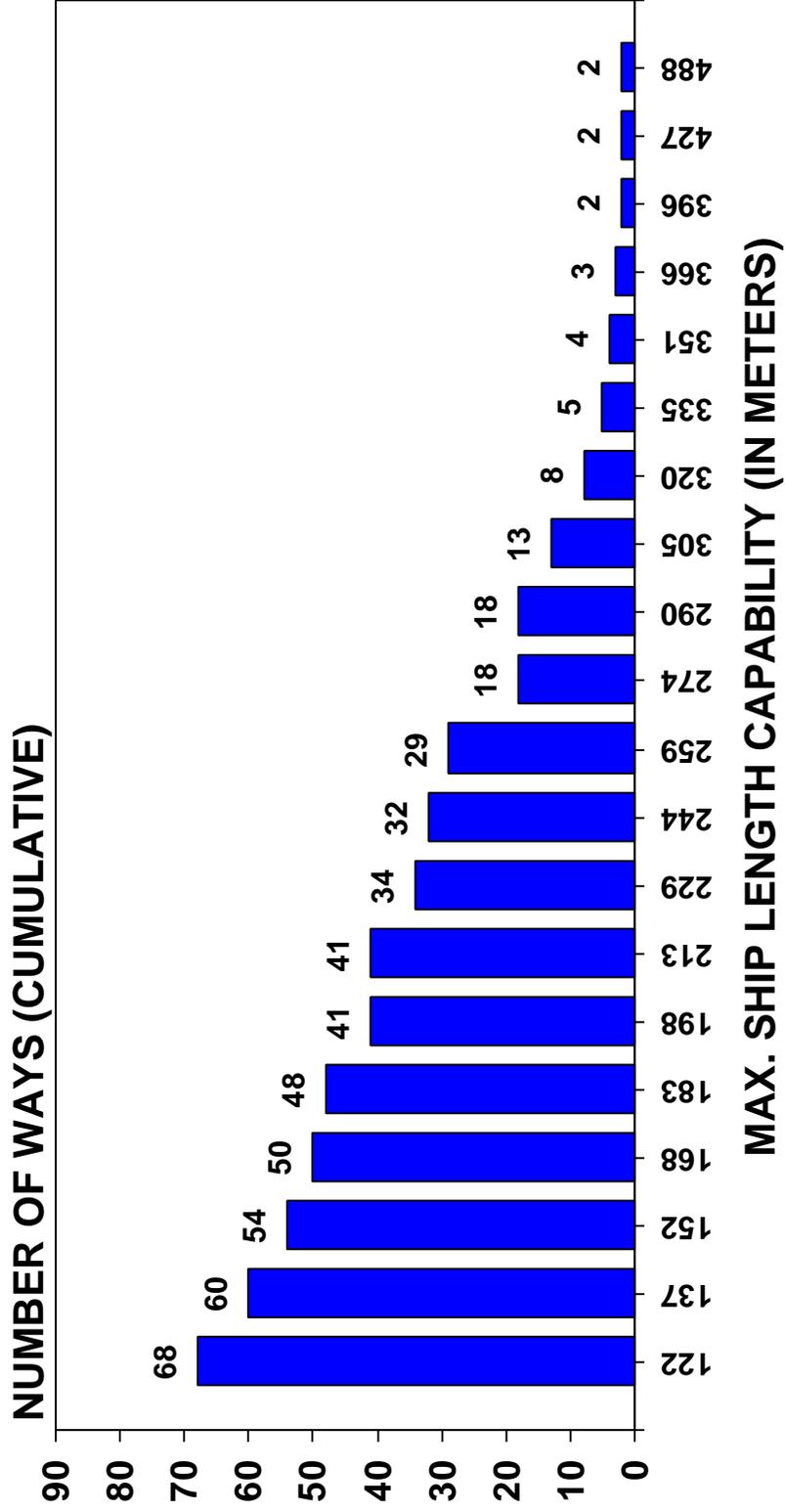
NUMBER OF SHIPYARDS BY TYPE AND REGION

	ACTIVE SHIPBUILDING	SHIPYARDS WITH BUILD POSITIONS	REPAIR WITH DRYDOCKING	TOPSIDE REPAIR
EAST COAST	4	3	13	12
GULF COAST	4	6	6	17
WEST COAST	1	2	7	8
GREAT LAKES	0	4	1	2
NON-CONUS	0	0	3	0
TOTAL	9	15	30	39



MAJOR U.S. SHIPBUILDING FACILITIES*

NUMBER OF BUILDING POSITIONS BY MAXIMUM LENGTH CAPABILITY (OCTOBER 2002)



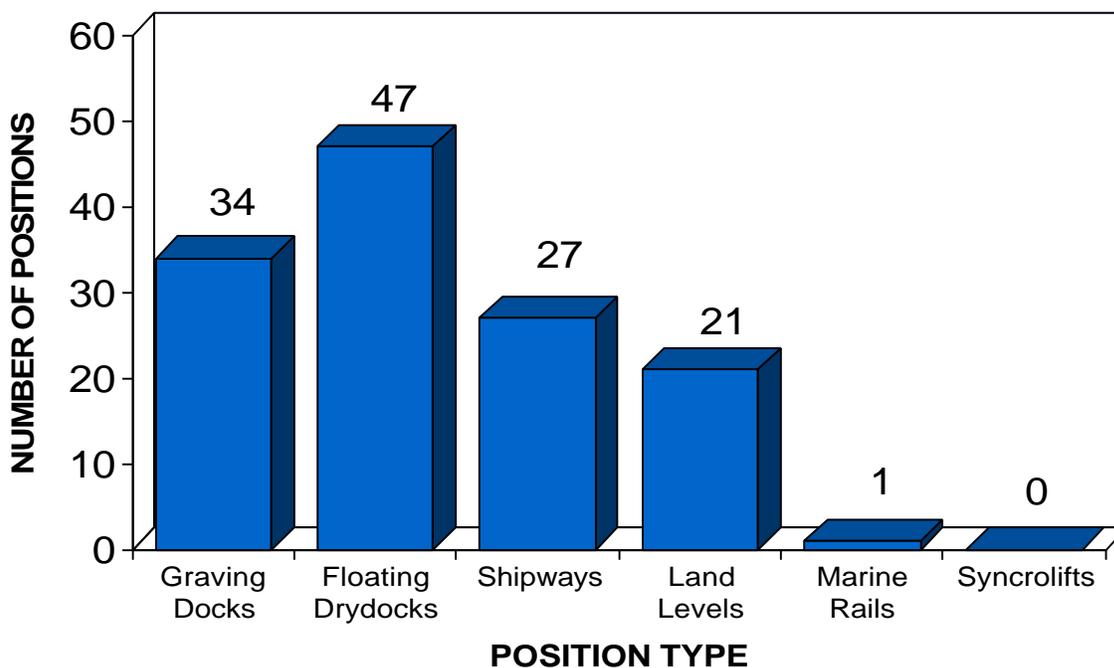
* Shipways, Graving Docks and Land Level Positions

U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2002

NUMBER OF BUILD AND REPAIR POSITIONS

GRAVING DOCKS	34
FLOATING DRYDOCKS	47
SHIPWAYS	27
LAND LEVELS	21
MARINE RAILS	1
SYNCROLIFTS	0
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TOTAL	130

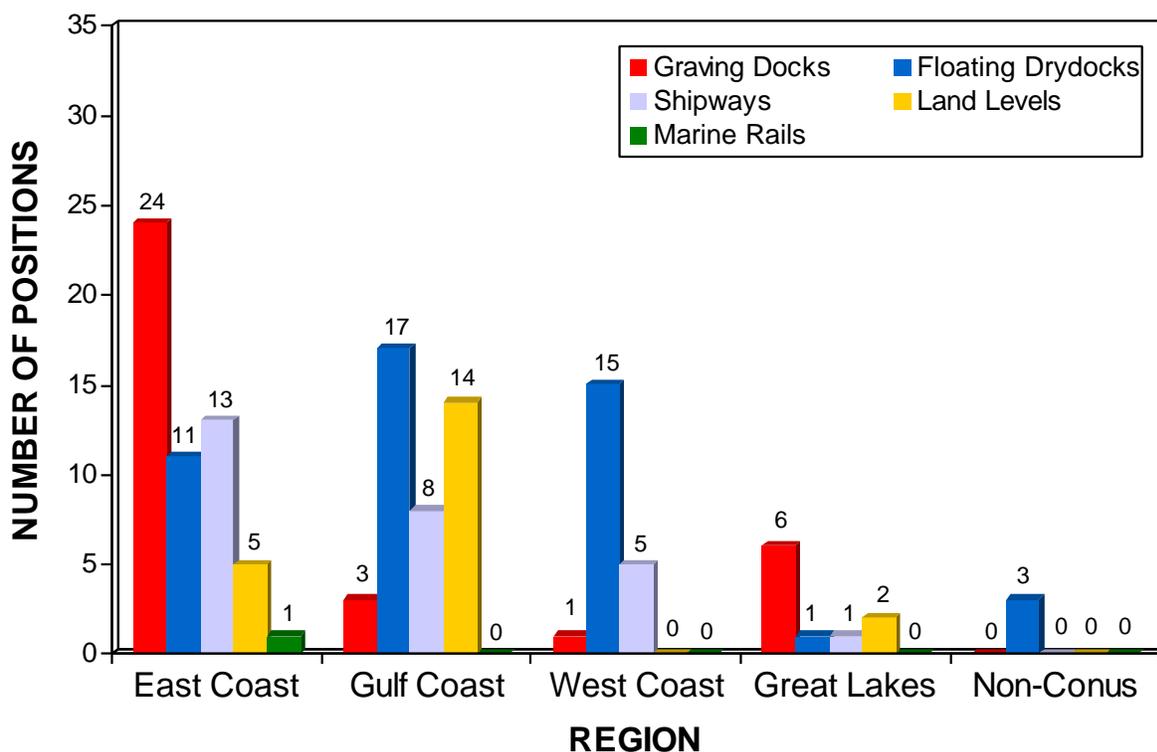


U.S. PRIVATE SHIPYARDS

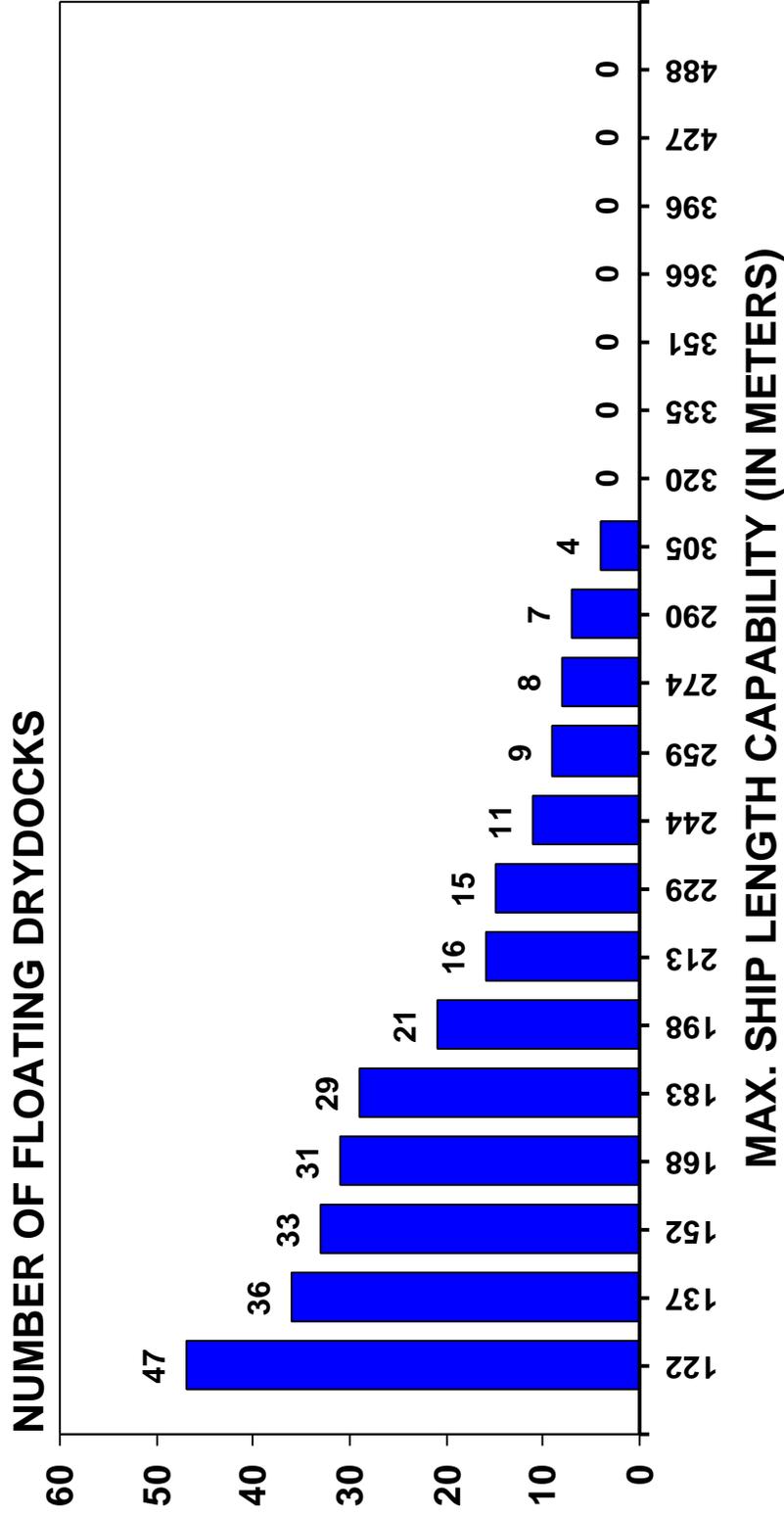
MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2002

NUMBER OF BUILD AND REPAIR POSITIONS BY REGION

	GRAVING DOCKS	FLOATING DOCKS	SHIPWAYS	LAND LEVELS	MARINE RAILS
EAST COAST	24	11	13	5	1
GULF COAST	3	17	8	14	0
WEST COAST	1	15	5	0	0
GREAT LAKES	6	1	1	2	0
NON-CONUS	0	3	0	0	0
TOTAL	34	47	27	21	1



MAJOR U.S. SHIP REPAIR FACILITIES* NUMBER OF FLOATING DRYDOCKS BY MAXIMUM LENGTH CAPABILITY (OCTOBER 2002)



* Includes Major Shipbuilding and Repair Yards with Drydock Facilities

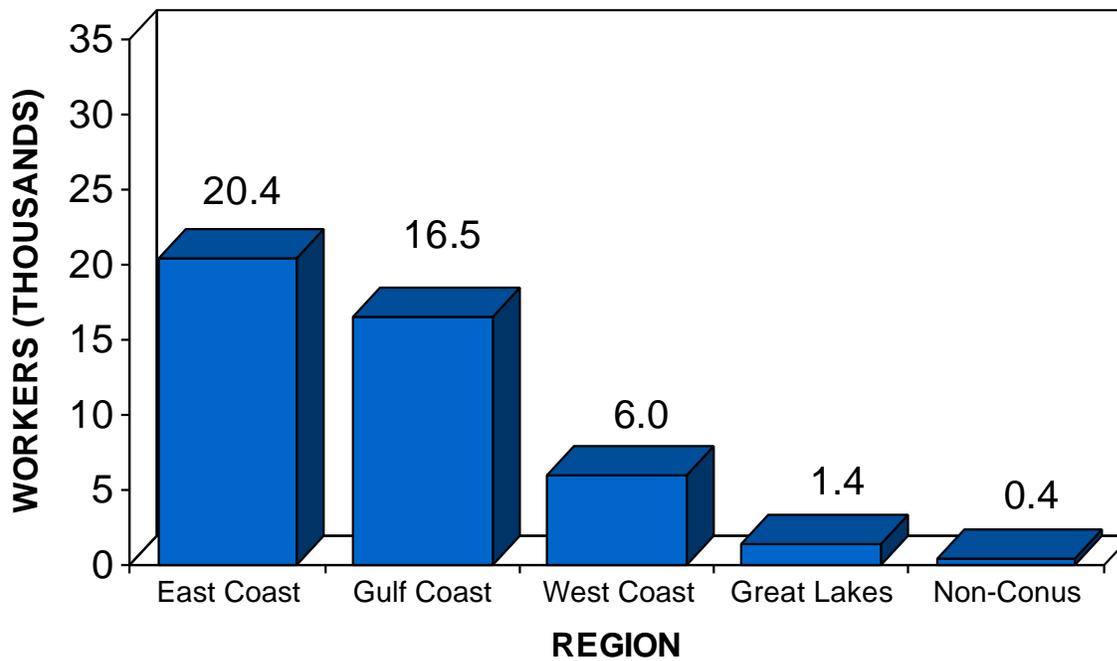
U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2002

NUMBER OF PRODUCTION WORKERS BY REGION

(in Thousands)

EAST COAST	20.4
GULF COAST	16.5
WEST COAST	6.0
GREAT LAKES	1.4
NON-CONUS	0.4
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TOTAL	44.7



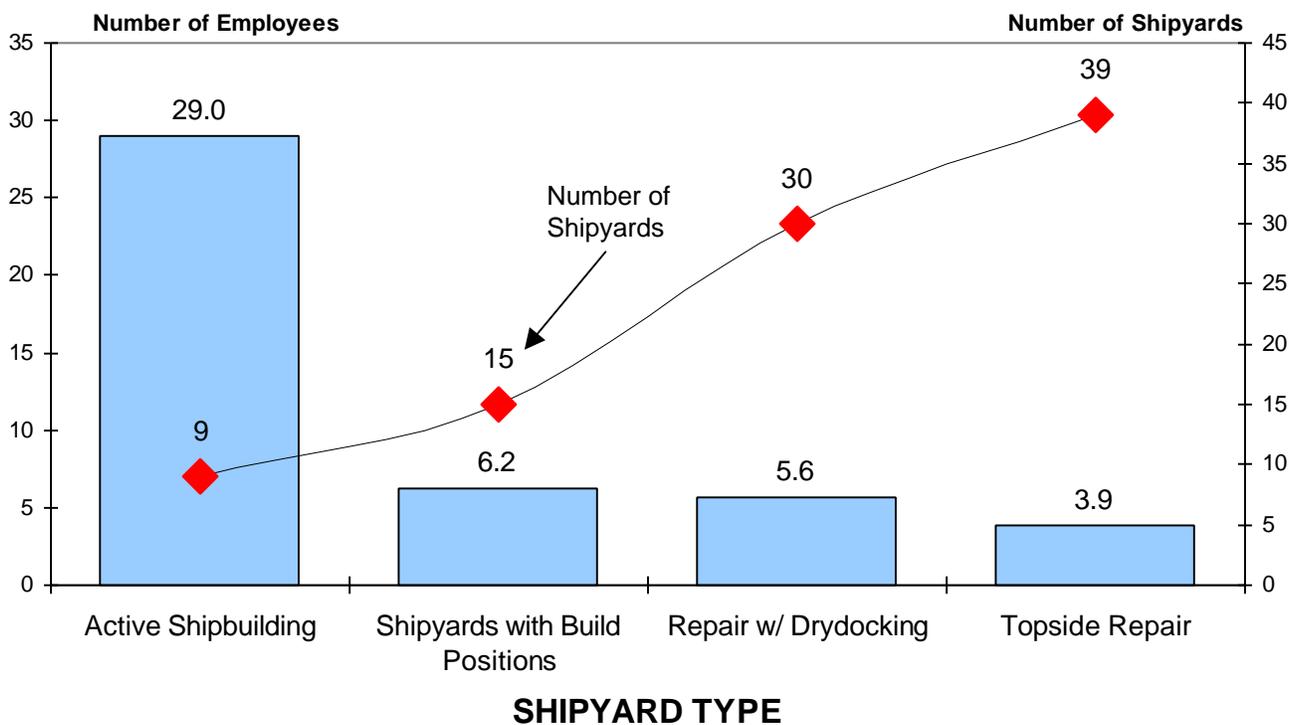
U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2002

NUMBER OF PRODUCTION WORKERS BY SHIPYARD TYPE

(in Thousands)

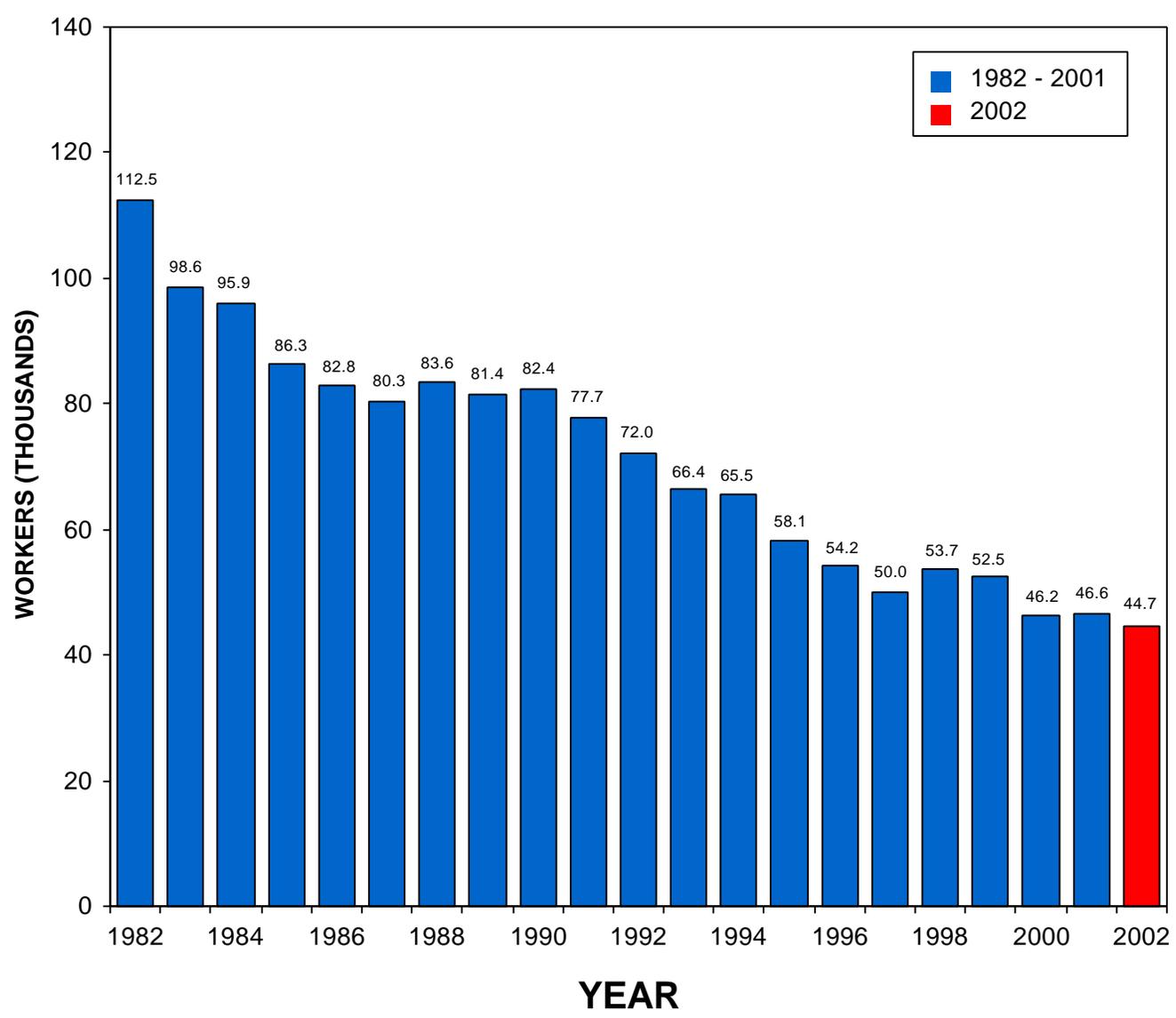
ACTIVE SHIPBUILDING	29.0
SHIPYARDS WITH BUILD POSITIONS	6.2
REPAIR WITH DRYDOCKING	5.6
TOPSIDE REPAIR	3.9
TOTAL	44.7



U.S. PRIVATE SHIPYARDS

MAJOR SHIPBUILDING AND REPAIR BASE OCTOBER 2002

NUMBER OF PRODUCTION WORKERS 1982 - 2002



MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES (93)

EAST COAST

Active Shipbuilding Yards (4)

Bath Iron Works Corporation - Bath, ME
Electric Boat Corporation - Groton, CT
Kvaerner Philadelphia Shipyard, Inc. - Philadelphia, PA
Northrop Grumman Newport News - Newport News, VA

Other Shipyards with Building Positions (3)

Atlantic Dry Dock Corporation - Jacksonville, FL
Baltimore Marine Industries, Inc. - Baltimore, MD
Intermarine Savannah - Savannah, GA

Repair Yards With Drydock Facilities (13)

Bayonne Dry Dock & Repair Corporation - Bayonne, NJ
Caddell Dry Dock & Repair Company, Inc. - Staten Island, NY
Colonna's Shipyard, Inc. - Norfolk, VA
Detyens Shipyard, Inc., Main Yard, - Charleston, SC
Detyens Shipyard, Inc., Wando Division, - Mt. Pleasant, SC
Eastern Technical Enterprises, Inc. - Brooklyn, NY
Economic Development & Industrial Corporation of Boston (EDIC) - Boston, MA
GMD Shipyard Corporation - Brooklyn, NY
Metro Machine Corporation - Norfolk, VA
Metro Machine Corporation – Philadelphia Division - Philadelphia, PA
Norfolk Shipbuilding & Drydock Corporation, Berkeley, - Norfolk, VA
North Florida Shipyard, Inc. - Jacksonville, FL
SPEEDE Shipyard, LLC – Norfolk, VA

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES (93)

(Continued)

EAST COAST (Continued)

Topside Repair Yards (12)

Associated Naval Architects, Inc. - Portsmouth, VA
Kerney Service Group, Inc. - Norfolk, VA
Marine Hydraulics International, Inc. - Norfolk, VA
Metal Trades, Inc. - Hollywood, SC
Moon Engineering Co., Inc. - Portsmouth, VA
Newport Shipyard Company, LLC - Newport, RI
Norfolk Shiprepair & Drydock Corporation - Norfolk, VA
Promet Marine Services Corporation - Providence, RI
Reynolds Shipyard Corporation - Staten Island, NY
Steel Style, Inc. - Newburgh, NY
The General Ship Repair Corporation - Baltimore, MD
The Hinckley Company - Portsmouth, RI

East Coast Total = 32 Yards

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES (93)

(Continued)

GULF COAST

Active Shipbuilding Yards (4)

Bender Shipbuilding & Repair Company, Inc. - Mobile, AL
Northrop Grumman Ship Systems, Avondale Operations - Avondale, LA
Northrop Grumman Ship Systems, Ingalls Operations - Pascagoula, MS
VT - Halter Marine Pascagoula - Pascagoula, MS

Other Shipyards with Building Positions (6)

Alabama Shipyard - Mobile, AL
AMFELS, Inc. - Brownsville, TX
Signal International, LLC – East Yard - Pascagoula, MS
Tampa Bay Shipbuilding & Repair Company - Tampa, FL
United Marine Enterprise, Inc., Port Arthur Shipyard - Port Arthur, TX
VT - Halter Moss Point - Moss Point, MS

Repair Yards With Drydock Facilities (6)

Atlantic Marine - Mobile - Mobile, AL
Bollinger Gulf Repair - New Orleans, LA
Bollinger Houston - Houston, TX
Gulf Marine Repair Corporation - Tampa, FL
International Ship Repair & Marine Service, Inc. - Tampa, FL
Signal International Texas, LP - D.O.C.Yard - Port Arthur, TX

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES (93)
(Continued)

GULF COAST (Continued)

Topside Repair Yards (17)

Boland Marine & Manufacturing Company, Inc. - New Orleans, LA
Bollinger Algiers, LLC - New Orleans, LA
Bollinger Calcasieu - Sulphur, LA
Bollinger Lockport, LLC - Lockport, LA
Bollinger Texas City - Texas City, TX
Buck Kreihs Company, Inc. - New Orleans, LA
CBH Services, Inc. - Orange, TX
Dixie Machine Welding & Metal Works, Inc. - New Orleans, LA
Gulf Copper and Manufacturing Corporation - Port Arthur, TX
Hendry Corporation - Tampa, FL
Houston Ship Repair, Inc., Brady Island Ship Repair Facility - Houston, TX
Newpark Shipbuilding & Repair, Inc., Brady Island - Houston, TX
Newpark Shipbuilding & Repair, Inc., Pasadena - Pasadena, TX
Newpark Shipbuilding & Repair, Inc., Pelican Island - Galveston, TX
Orange Shipbuilding Company, Inc. - Orange, TX
Sabine Shipyard, Inc. - Sabine Pass, TX
Signal International Texas, LP - Orange Yard - Orange, TX

Gulf Coast Total = 33 Yards

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES (93)

(Continued)

WEST COAST

Active Shipbuilding Yards (1)

National Steel and Shipbuilding Company - San Diego, CA

Other Shipyards with Building Positions (2)

Gunderson, Inc. - Portland, OR

Todd Pacific Shipyards Corporation - Seattle, WA

Repair Yards With Drydock Facilities (7)

Cascade General, Inc. - Portland, OR

Lake Union Drydock Company - Seattle, WA

MAR COM, Inc. - Portland, OR

Puglia Engineering dba Fairhaven Shipyard - Bellingham, WA

San Francisco Drydock, Inc. - San Francisco, CA

Southwest Marine, Inc., San Diego Division - San Diego, CA

Southwest Marine, Inc., San Pedro Division - Terminal Island, CA

Topside Repair Yards (8)

Bay Ship & Yacht Company, Alameda - Alameda, CA

Bay Ship & Yacht Company, Richmond - Richmond, CA

Continental Maritime of San Diego, Inc. - San Diego, CA

Dakota Creek Industries, Inc. - Anacortes, WA

Everett Shipyard, Inc. - Everett, WA

Foss Shipyard dba Foss Maritime Company - Seattle, WA

Pacific Fisherman, Inc. - Seattle, WA

San Pedro Boat Works - San Pedro, CA

West Coast Total = 18 Yards

October 2002

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES (93)

(Continued)

GREAT LAKES

Active Shipbuilding Yards (0)

None

Other Shipyards with Building Positions (4)

Bay Shipbuilding Company - Sturgeon Bay, WI

Fraser Shipyards, Inc. - Superior, WI

Marinette Marine Corporation - Marinette, WI

Metro Machine Corporation - Industrial Products Division - Erie, PA

Repair Yards With Drydock Facilities (1)

Toledo Ship Repair Company, Toledo Shipyard - Toledo, OH

Topside Repair Yards (2)

H. Hansen Industries - Toledo, OH

Nicholson Terminal & Dock Company - River Rouge, MI

Great Lakes Total = 7 Yards

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES (93)

(Continued)

NON-CONUS

Active Shipbuilding Yards (0)

None

Other Shipyards with Building Positions (0)

None

Repair Yards With Drydock Facilities (3)

Alaska Ship & Drydock, Inc. - Ketchikan, AK
Honolulu Shipyards, Inc. - Honolulu, HI
Marisco, Ltd. - Honolulu, HI

Topside Repair Yards (0)

None

Non-Conus Total = 3 Yards

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**DESCRIPTIONS
AND
GENERAL ARRANGEMENT
DRAWINGS
FOR
THE ACTIVE
SHIPBUILDING YARDS**

Bath Iron Works Corporation

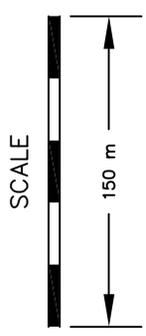
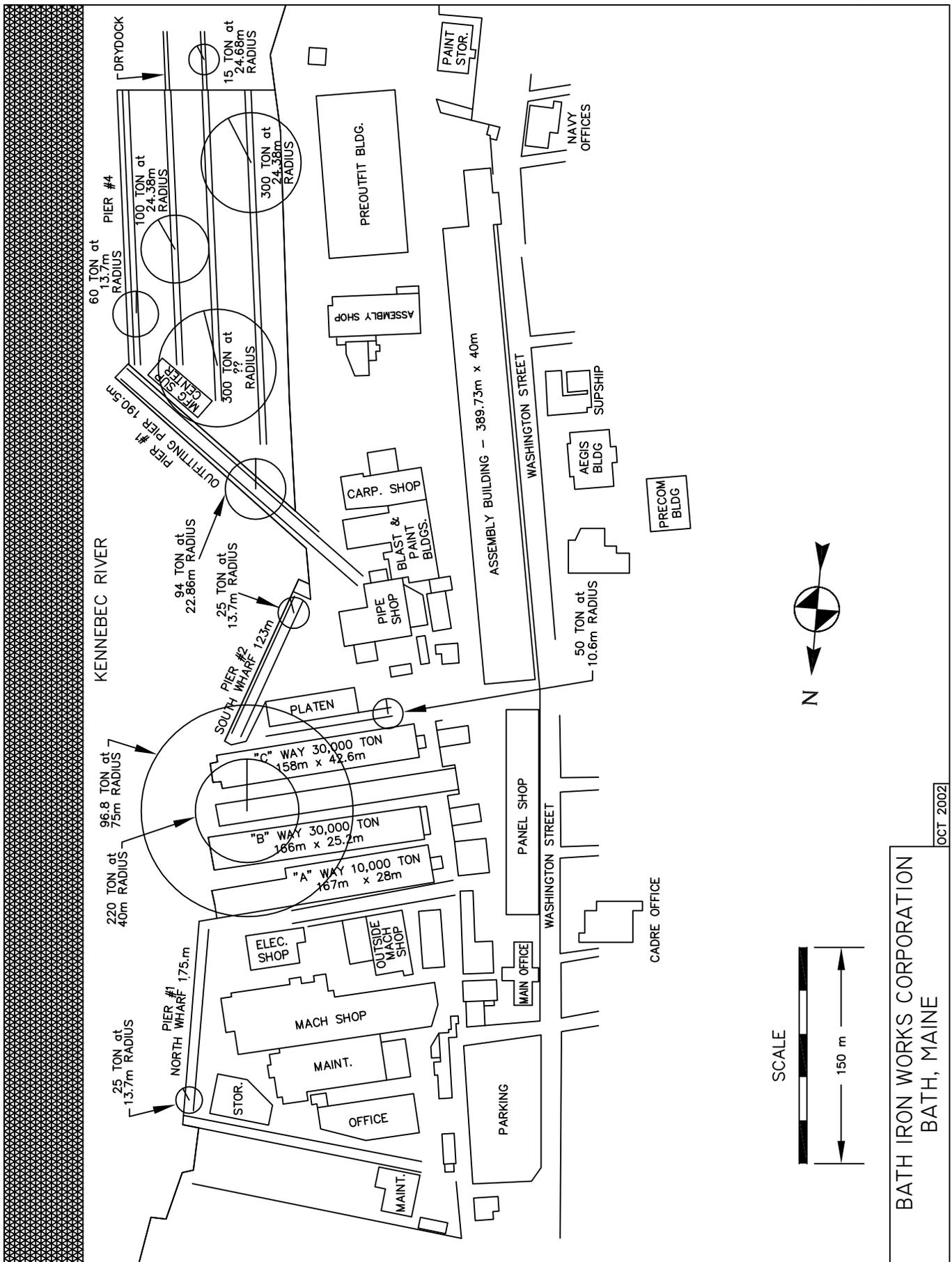
Bath Iron Works Corporation (BIW) is located on the Kennebec River in Bath, ME. The original iron foundry was established in 1826; it became Bath Iron Works Ltd. in 1884, and the first ship was delivered in 1890. Since then, this shipyard has built over 240 U.S. Navy surface combatants and more than 160 commercial ships, including product tankers, containerships, roll-on/roll-off ships, private yachts and fishing vessels. BIW became a wholly owned subsidiary of General Dynamics Corporation in September 1995.

Since 1968, BIW has delivered 23 commercial ships and 54 U.S. Navy warships. In 1973, BIW became the lead yard for the FFG-7 PERRY class frigate and delivered 24 of these ships. In 1982, the Navy selected BIW as the second-source shipbuilder for the AEGIS cruiser program. The company built eight CG-47 TICONDEROGA class cruisers, delivering the last one in 1993. In 1985, BIW won the competition for the design and construction of the DDG-51 ARLEIGH BURKE class AEGIS destroyers, the U.S. Navy's newest surface combatant. The lead ship and 19 follow-on ships have been delivered since 1991. As of September 30, 2002, twelve DDG's were under contract and two DDG's were designated options. The last delivery is scheduled for 2010.

The facilities for new construction include two distinct configurations each consisting of three shipways. The first configuration consists of three shipways that reside on the land level transfer facility (LLTF) and can be used for both military and commercial shipbuilding. All three shipways on LLTF can accommodate ships of 243 meters in length with a maximum beam of 32 meters. Two of these shipways are serviced by two 300-metric ton whirley cranes. The third shipway is serviced by a 100-metric ton whirley crane. All cranes can be transferred by rail between all shipways. The second configuration consists of three inclined shipways; two can accommodate ships of 220 meters in length, one with a maximum beam of 30 meters and the other a maximum beam of 32 meters. These shipways are serviced by a 220-metric ton level-luffing crane. The third shipway, which can handle a 210 meter ship with a beam of 26 meters. BIW has two principal structural assembly buildings. One building, which is 15,600 square meters, houses the panel line and has 15 workstations. The smaller one, which has 3,780 square meters, has 7 workstations. The pre-outfit building, 8,450 square meters, has 16 work stations and is used for equipment installation after units are blasted and painted. It is important to note, that while the inclined ways are a part of BWI's facilities, they are currently inactive. There are no plans to engage in construction or to revitalize the design and manufacturing processes required to build on the inclined ways.

BIW also operates three other industrial facilities.

As of mid-2002, the company had about 6,500 employees.



BATH IRON WORKS CORPORATION
 BATH, MAINE

OCT 2002

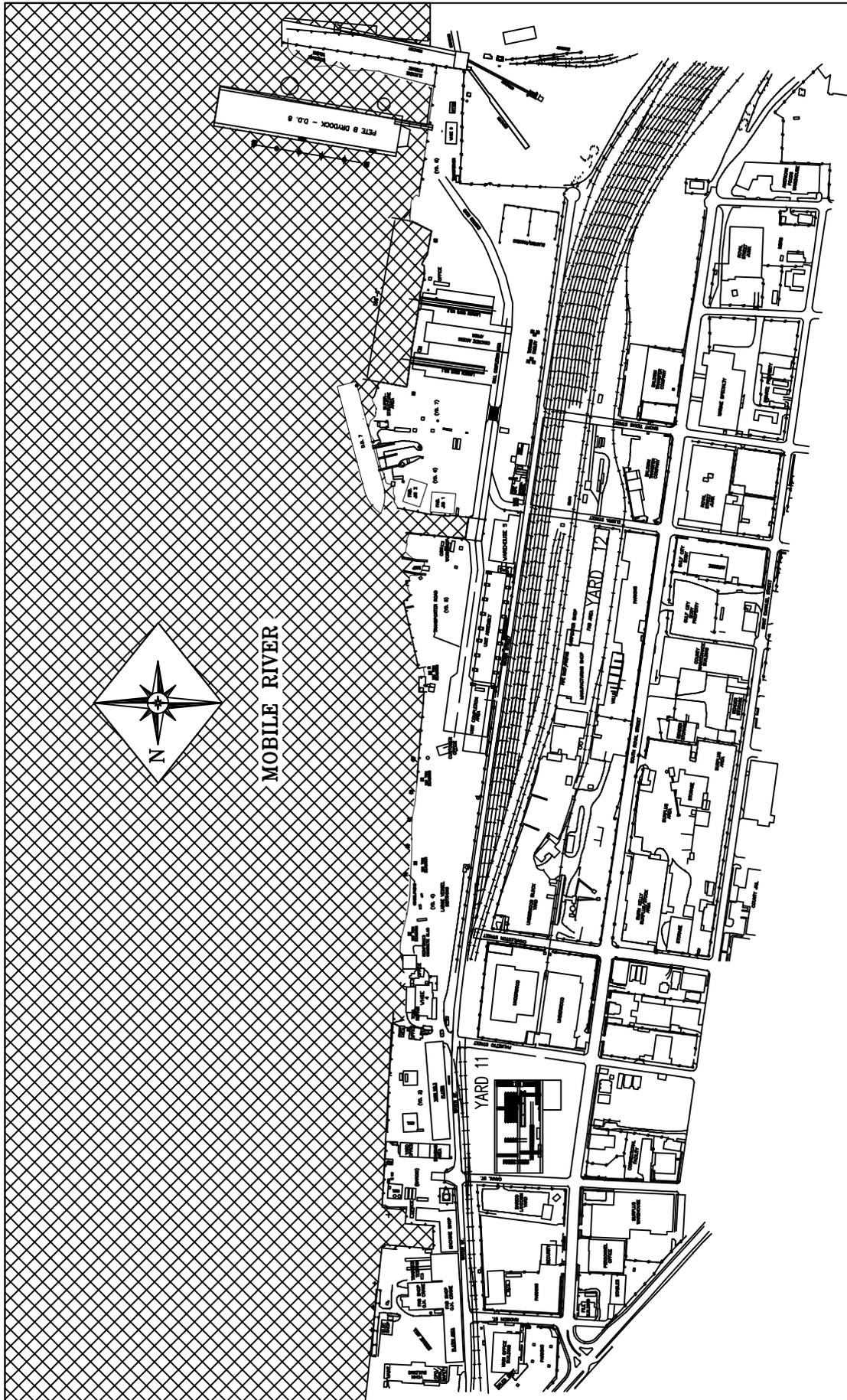
Bender Shipbuilding and Repair Company, Inc.

Bender Shipbuilding and Repair Company, Inc. (BSR) is located on the Mobile River in Mobile, AL, about 48 kilometers from the open waters of the Gulf of Mexico. The original machine and welding shop was established in 1919. After decades of executing voyage repairs in the port, in 1952 BSR acquired a small dry-dock and moved into the repair and construction of tugs and barges. BSR established itself as a builder, becoming the dominant supplier of vessels to the Pacific Northwest fisheries. Over the years, BSR has produced a great variety of vessels including: fishing, casino, offshore supply, tugs, spill response, barges, patrol boats and other types of vessels to customers the world over.

With the addition of larger dry-docks in the late 1970's and early 1990's, BSR moved further into the repair and conversion market with a multitude of Maritime Administration, Army Corps of Engineers, US Navy, Military Sealift Command dry-docking and repair contracts and conversions. Recent years have seen a steady stream of Navy overhauls and repair jobs (FFG and CG DRSA and SRA availabilities). BSR achieved ISO 9001 2000 Certification in 2002.

The facilities stretch over a mile along the banks of the Mobile River. On the East Bank, there is a repair operation with a 15,240 metric-ton dry-dock and a wet-berth suitable for Panamax-size vessels. The Corporate offices and the majority of the facilities are on the West Bank south of the Mobile's downtown area. These include a variety of full-service deep water, wet berths for ships up to 305 meters long. The new construction facilities include a state of the art steel processing facility with automated shop blasting and priming, the first production LASER cutting facility in a US shipyard and a modern fully computerized press brake and an ironworker with special tooling to shear bulbflats. Recently, improvements and additions have been made to the fabrication sheds to increase through-put and productivity. A new panel line was added in 2001, the main assembly shed was expanded and improved in 2000 and crane capacities were expanded. The main shed now includes 8 major workstations and a further expansion is on the drawing board. There are three (3) launch positions that accommodate end translation to either a launch pontoon or one of the larger dry-docks, the largest of these is currently capable of handling a 137 meter x 30 meter vessel. In recent years over twenty (20) vessels – PSV's, tugs, barges and a dive support platform vessel have been launched in this manner. The launch arrangement has also been used to roll a vessel ashore for a long-term conversion program and re-float it at completion, thereby freeing the dry-docks for other shorter-term work.

As of mid-2002, Bender Shipbuilding & Repair Company, Inc employed about 850 personnel.



BENDER SHIPBUILDING & REPAIR CO., INC.
MOBILE ALABAMA

OCT 2002

Electric Boat Corporation

Electric Boat Corporation (EB) is located on the Thames River in Groton, CT. Electric Boat is the primary design, construction, and life cycle support shipyard for U.S. Navy nuclear-powered submarines. A part of General Dynamics Corporation since 1952, the company was founded in 1899 to sell the Navy its first submarine, the HOLLAND. Since then, Electric Boat has delivered over half of all U.S. Navy submarines, including the USS CUTTLEFISH – the first welded submarine - in 1931, 85 fleet-type boats during World War II; the USS NAUTILUS - the first nuclear submarine - in 1954; and the USS GEORGE WASHINGTON - the first ballistic missile submarine - in 1959.

As of October 1, 2002, Electric Boat had under construction the third SSN-21 SEAWOLF class attack submarine, and the first SSN-774 VIRGINIA class new attack submarine. The company is also engaged in the repair of nuclear submarines both in Groton and at other homeports.

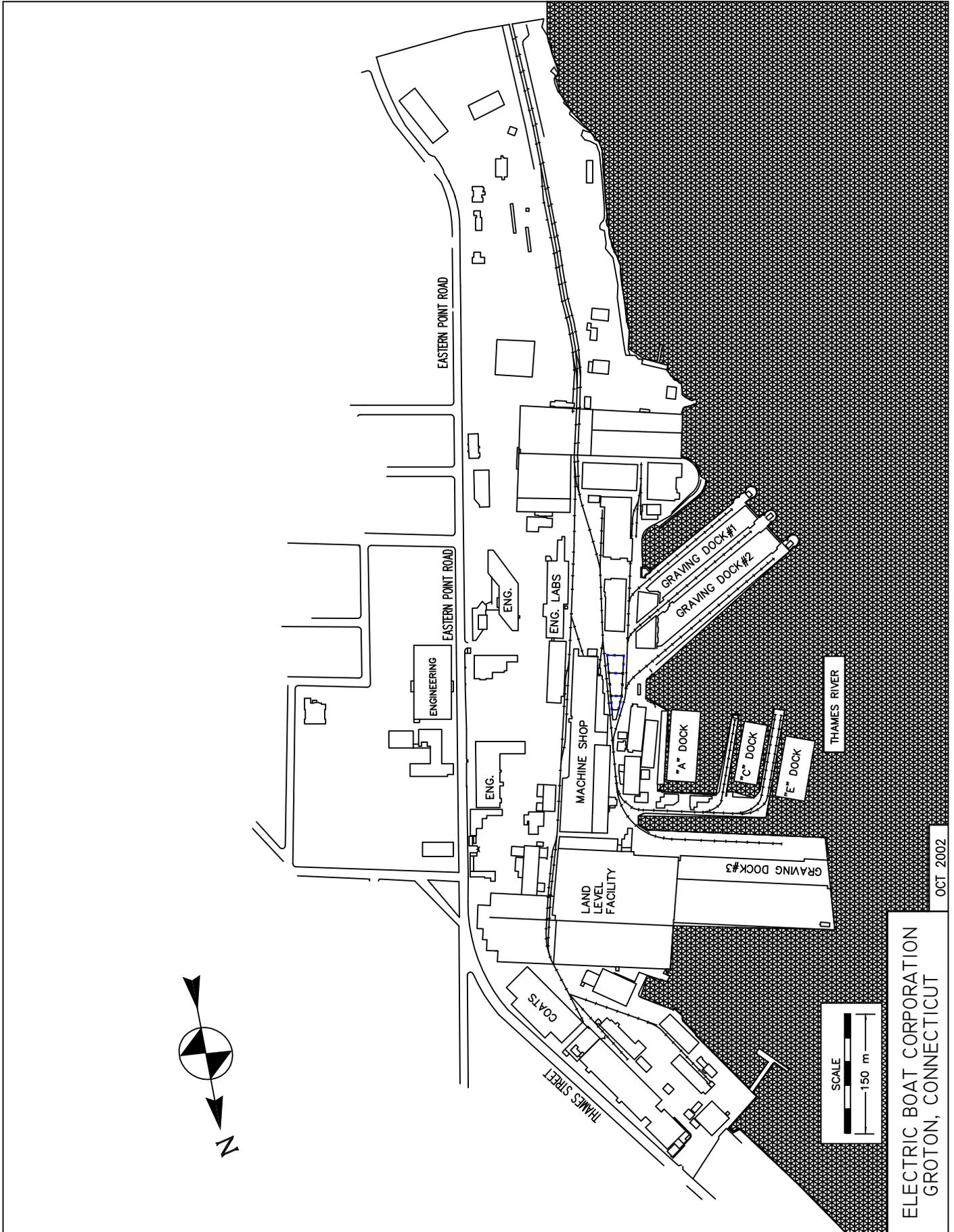
Electric Boat operates two major manufacturing and construction sites - a 292 hectare shipyard facility with 1,365 meters of deep water frontage on the Thames River in Groton, CT, and a 245 hectare modular construction facility in Quonset Point, RI, fronting on Narragansett Bay. Completely outfitted submarine sections weighing up to 1,540 metric tons are shipped from Quonset Point to Groton via a heavy lift system consisting of multi-wheeled transporters and a unique jack-up barge. Electric Boat also has major engineering support offices in Bangor, WA, Kings Bay, GA, and Washington, DC, and prototype reactor service activities in West Milton, NY.

The Quonset Point facilities include an Automated Frame and Cylinder Facility, where 20 automated fixtures are used to produce thick-walled submarine sections to demanding dimensional tolerances, and extensive steel fabrication, machine, pipe, electrical, and HVAC shops which support the modular outfitting of these sections.

Groton facilities include the principal research, engineering, and design activities, as well as shipyard operations centered around the land level submarine construction facility (LLSCF), which is capable of producing up to three submarines per year, and served by heavy-lift cranes capable of combined lifts up to 616 metric tons. There are three graving docks: GD1 and GD2 are used primarily for submarine repair and post-sea trial dockings; and, GD3 is used to launch ships up to 197 meters in length and 19,250 metric tons from the LLSCF. Six wetberth positions with portal cranes ranging from 75 to 300 tons can accommodate vessels up to 229 meters long and drawing 12 meters.

In 2001/2002, Electric Boat constructed a \$12 million Steel Processing Facility at Quonset Point incorporating state-of-the industry automated handling, blasting, laser marking plasma / laser / water jet cutting, rolling and pressing, structural shape forming and cutting, and other equipment.

As of mid-2002, Electric Boat had approximately 9,800 employees.



ELECTRIC BOAT CORPORATION
GROTON, CONNECTICUT

OCT 2002

Kvaerner Philadelphia Shipyard Inc.

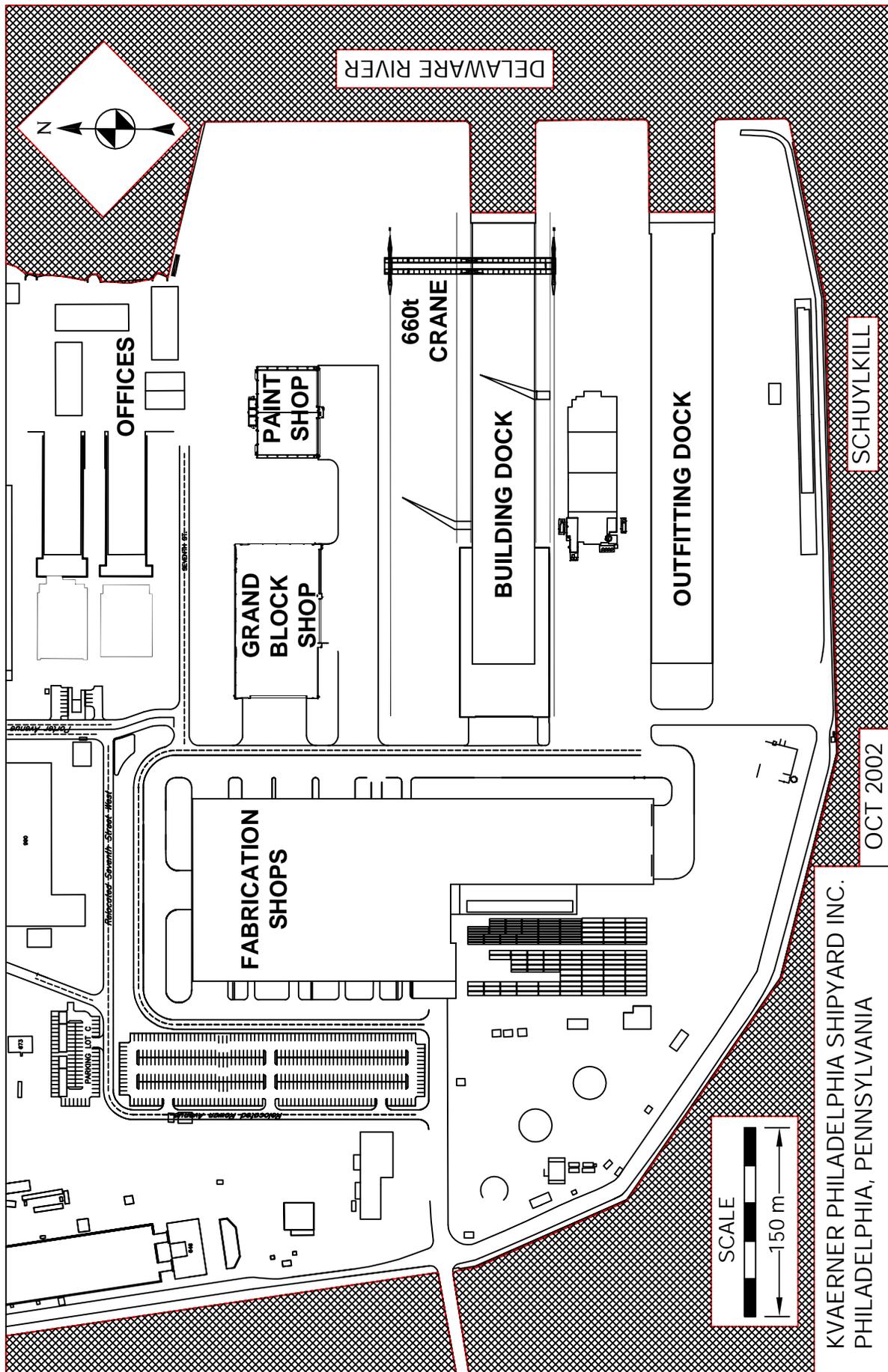
Kvaerner Philadelphia Shipyard Inc. (KPSI) is a newly constructed mid-sized shipyard located in Philadelphia, PA.

The immediate future of the new shipyard is to design and construct vessels for the U.S. Jones Act Market. The first two Philadelphia Class CV2600 containerships, currently under construction at KPSI and are scheduled to be completed in 2003 and 2004.

The yard is equipped to build Ro/Ro's, and crude and product tankers, which present significant, fleet replacement opportunities over the next few decades. From a size viewpoint, ships up to 300 meters by 42 meters can be constructed, both Handymax (40,000 – 50,000 deadweight (dwt)) and Panamax (65,000 – 75,000 dwt) being the prime tanker target. Containerships of 2,000 – 3,000 twenty-foot equivalent units (TEU) are considered the optimum size.

Occupying 46 hectares of the former Philadelphia Naval Shipyard, KPSI has implemented state-of-the-art facilities based on Kvaerner's European shipbuilding experience. The shipyard has two of the largest graving docks on the East Coast measuring 335 meters long and 45 meters wide with an intermediate gate and skidding system. KPSI's facilities include a gantry crane capable of lifting 660 tons and two 50-ton cranes. All three cranes serve one of the graving docks, or the build dock, where construction of the ship is completed. The second dock is used as an outfitting dock. The fabrication and panel shops occupy 39,800 square meters, the grand block shop is 7,900 square meters. Two fully equipped paint shops are each capable of holding a 600-ton grand block. KPSI also has two heavy lift transports capable of lifting 420 tons each.

As of mid-2002, Kvaerner Philadelphia Shipyard employed approximately 860 personnel.



KVAERNER PHILADELPHIA SHIPYARD INC.
PHILADELPHIA, PENNSYLVANIA

National Steel and Shipbuilding Company

National Steel and Shipbuilding Company (NASSCO), the largest shipbuilder on the West Coast, participates in both commercial and U.S. Navy shipbuilding, conversion, and repair markets. The current company was formed as a business entity in 1959 and occupies 59 hectares on the harbor in San Diego, CA. In November 1998, NASSCO was purchased by General Dynamics and became part of the General Dynamics Marine Group.

NASSCO has designed and constructed commercial tankers, product carriers and very large crude carriers up to 209,000 dwt, a 1,910 TEU containership, and various Navy auxiliary ships including AD's, AFS's, AOE's, and strategic sealift RO/RO's. Conversion projects include two 90,000 dwt tankers to 1,000 bed Navy hospital ships (T-AH's), strategic sealift and maritime pre-positioning ships (T-AK/T-AKR's), and three Maersk Line L-Class containerships to Strategic Sealift Large Medium Speed RO/RO's (LMSR's).

As of August 31, 2002, NASSCO's backlog included the last of eight LMSR's for the Navy, two diesel-electric powered Ro/Ro trailerships for Totem Ocean Trailer Express's (TOTE) Alaskan service, and four large double-hull crude carriers for BP Alaska Shipping. In October 2001, NASSCO was selected to design and construct the T-AKE dry cargo/ammunition ships, a new class of underway replenishment ships for the Navy. Three ships of a total of 12 are under contract. NASSCO also has multi-year contracts for the repair and maintenance of the Navy's San Diego-based CG-47's, DD-963's, LHA's, and LHD's.

NASSCO's ship construction facilities include a graving dock that can accommodate vessels up to 303 meters by 51 meters and two inclined building ways for up to panamax-size vessels (290 meters by 34 meters). Two new 300 ton heavy-lift portal cranes have been installed that can provide lifts up to 272 metric ton and multi-lifts up to 526 metric tons. Berthing is available at eight full-service berths for ships with drafts up to 11 meters and lengths to 305 meters. NASSCO also operates a floating drydock with an ABS-certified lift capacity of 44,354 metric tons for ships up to 290 meters by 41 meters.

During 2000-2002, General Dynamics and NASSCO invested over \$85 million in facilities upgrades to increase steel throughput and reduce construction duration. In addition to the two new 300-metric ton cranes, a new automated block assembly line, T-beam and profile line, and pipe shop are being constructed. This will increase the company's steel fabrication and assembly capacity to over 1,727 tons per week. NASSCO offers full-service marine engineering and naval architecture utilizing the latest commercial computer-aided design technology such as AutoCAD, Microstation, and TRIBON.

As of mid-2002, National Steel and Shipbuilding employed about 3,100 people.

Northrop Grumman Newport News

For more than a century, Northrop Grumman Newport News has designed, built, overhauled and repaired a wide variety of ships for the U.S. Navy and commercial customers. Today, Newport News is the nation's sole designer, builder and refueler of nuclear-powered aircraft carriers and one of only two companies capable of designing and building nuclear-powered submarines. The company also provides after-market services for a wide variety of naval and commercial vessels.

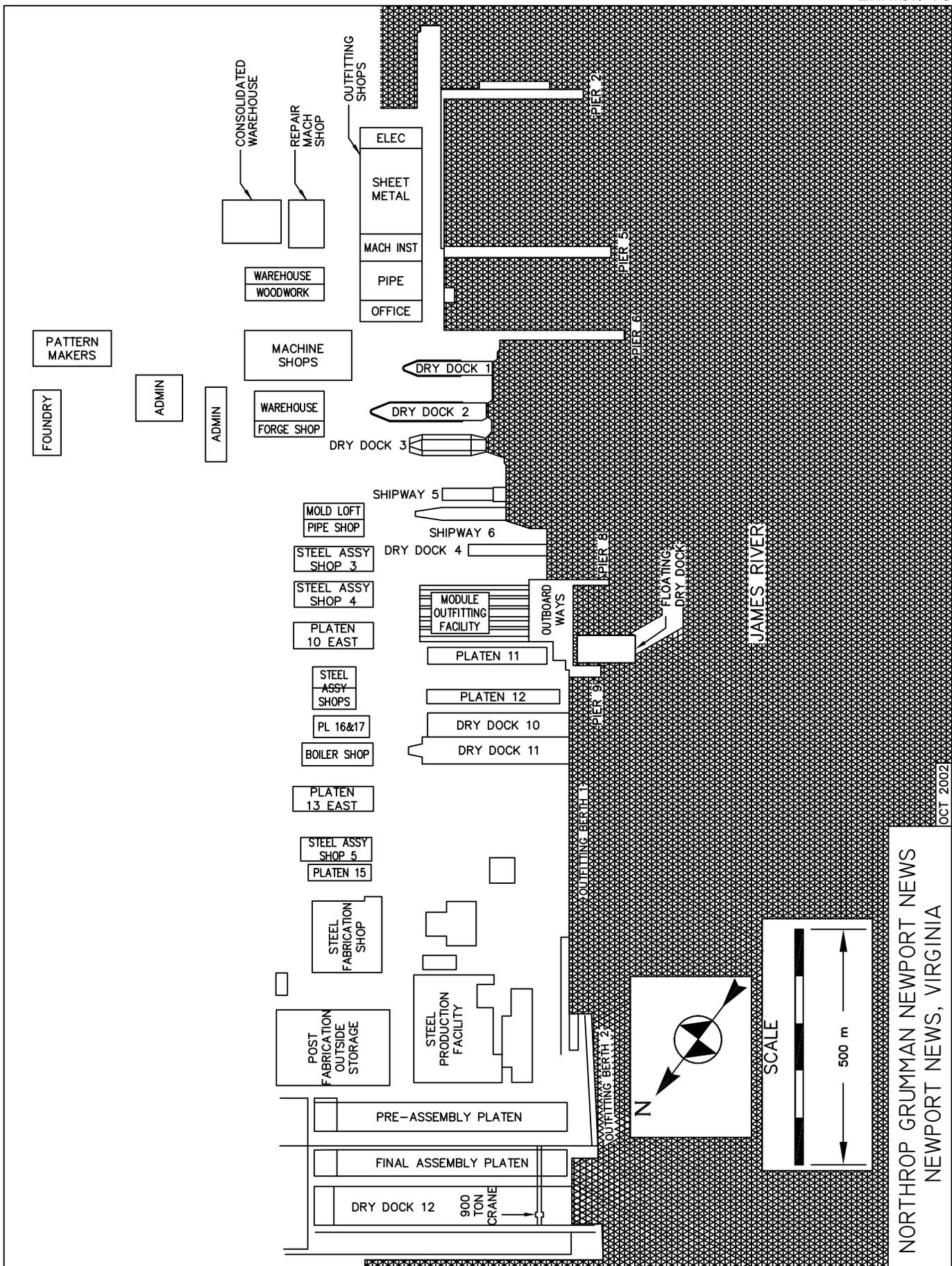
With vast facilities located on more than 223 hectares along two miles of waterfront in Newport News, Virginia, the company has the capability to design, build and maintain every class of ship in the U.S. Navy's fleet.

Included in Newport News's major facilities are:

Docks - There are 6 landside drydocks and one floating drydock. Drydock 12, the largest building basin in the nation, can accommodate vessels up to 661 meters in length by 75 meters beam. An intermediate gate will permit the simultaneous work on two major ships in the drydock. A 900-metric ton gantry crane, one of the largest in the Western Hemisphere, can handle completely outfitted assemblies. Drydocks 10 and 11, which are serviced by a 310-metric ton gantry crane, can be used for construction work, but are used primarily for ship overhaul, repair and deactivation. Drydocks 1, 2 and 4 are used mainly for ship repair and overhaul, and the floating drydock, which is 195 meters by 41 meters, supports submarine construction from the Module Outfitting Facility (MOF). The floating drydock is currently out of service, undergoing a long-term overhaul, and is scheduled to be back in service by June 2004.

Vessel Berthing - Newport News has two outfitting berths totaling 799 meters each serviced by 30-metric ton cranes. There are three piers totaling 1,944 meters of berthing space and serviced by cranes with capacities of up to 50 metric tons, plus two small service piers at the MOF.

As of mid-2002, the labor force at Northrop Grumman Newport News was approximately 18,000.



NORTHROP GRUMMAN NEWPORT NEWS
 NEWPORT NEWS, VIRGINIA

Northrop Grumman Ship Systems - Avondale Operations and Ingalls Operations

Northrop Grumman Ship Systems has two geographic locations Avondale Operations (Avondale) is located on the west bank of the Mississippi River approximately 22 kilometers upriver from New Orleans, LA and Ingalls Operations (Ingalls) is located on the Gulf of Mexico in Pascagoula, MS. Northrop Grumman Ship Systems has diversified shipbuilding facilities experienced in the design, engineering, construction, modernization, conversion, overhaul, repair, fleet support of Navy warships and auxiliaries, as well as commercial ships, offshore drilling rigs, platforms, jackets and production modules.

As of October 2002, the Northrop Grumman Ship Systems orderbook, including both Northrop Grumman Ship Systems Avondale and Northrop Grumman Ship Systems Ingalls, consisted of: eight - DDG 51 Class Guided Missile Destroyers; one - LHD 1 Class Amphibious Assault Ship; four - LPD 17 Class Amphibious Assault Ships; 1 - TAKR Class Sealift Ship; and three - TAPS Trade Crude Oil Tankers.

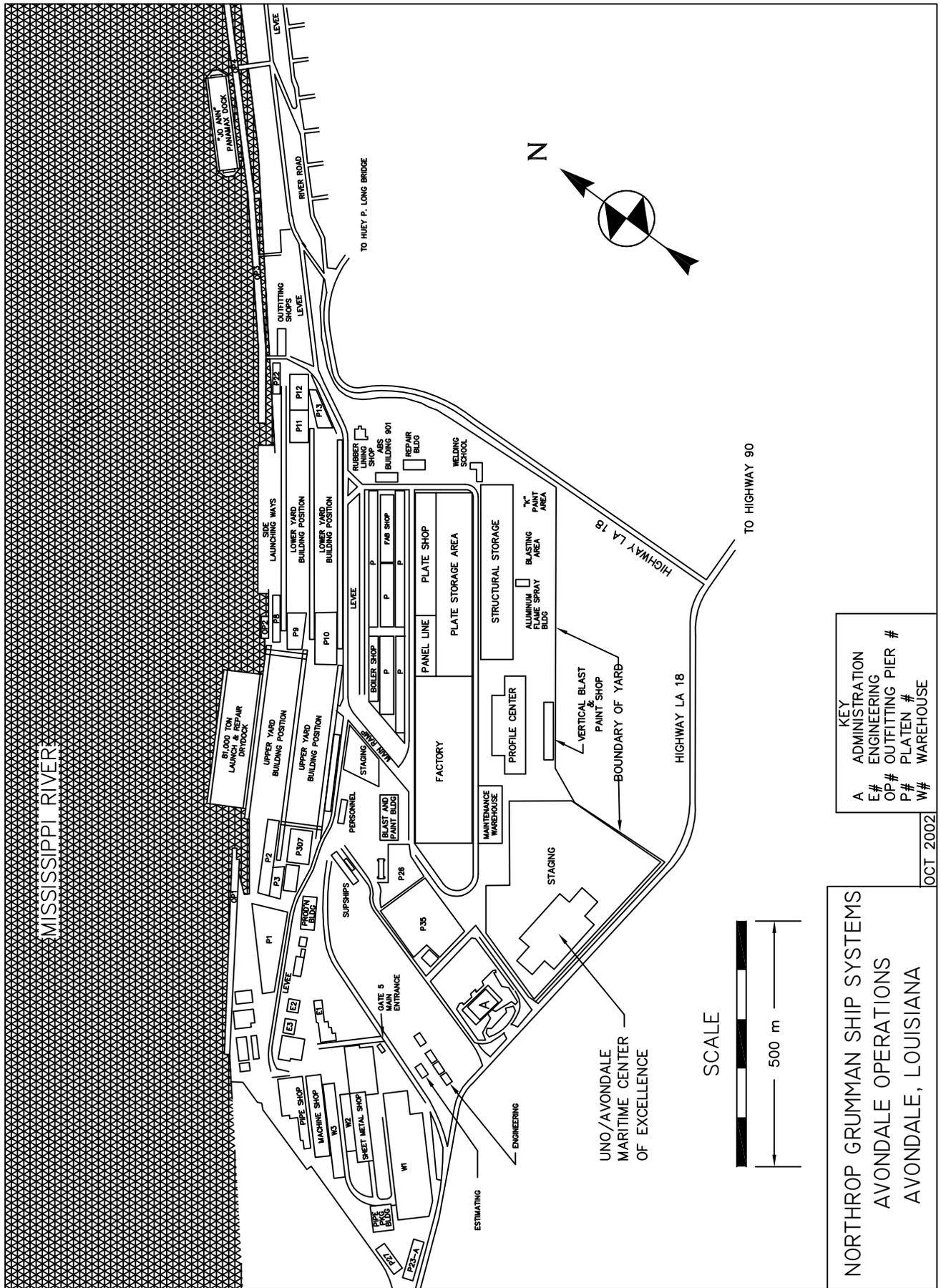
Avondale totals 108 hectares and contains three outfitting docks equipped with supporting shops and over 1,431 square meters of pier space. The upper yard shipbuilding area has two large positions to accommodate vessels up to 311 meters in length by 53 meters beam. The major part of one ship can be erected along the stern section of a second ship on position No. 1, while a third hull is being completed on position No. 2. Ships constructed in the upper yard move laterally in three positions for launching in Avondale's 81,000-ton floating drydock, which can accommodate ships 305 meters by 66 meters, with a lifting capacity of 82,296 metric tons. The lower yard shipbuilding area with side launching capabilities can accommodate vessels up to 366 meters in length by 53 meters beam. Up to five vessels, greater than 213 meters length overall can be constructed simultaneously in the lower yard shipbuilding area. A 13,000-ton panamax floating drydock, which can accommodate ships up to 229 meters by 35 meters and has a lifting capacity of 19,000 metric tons, is moored downriver alongside an outfitting dock.

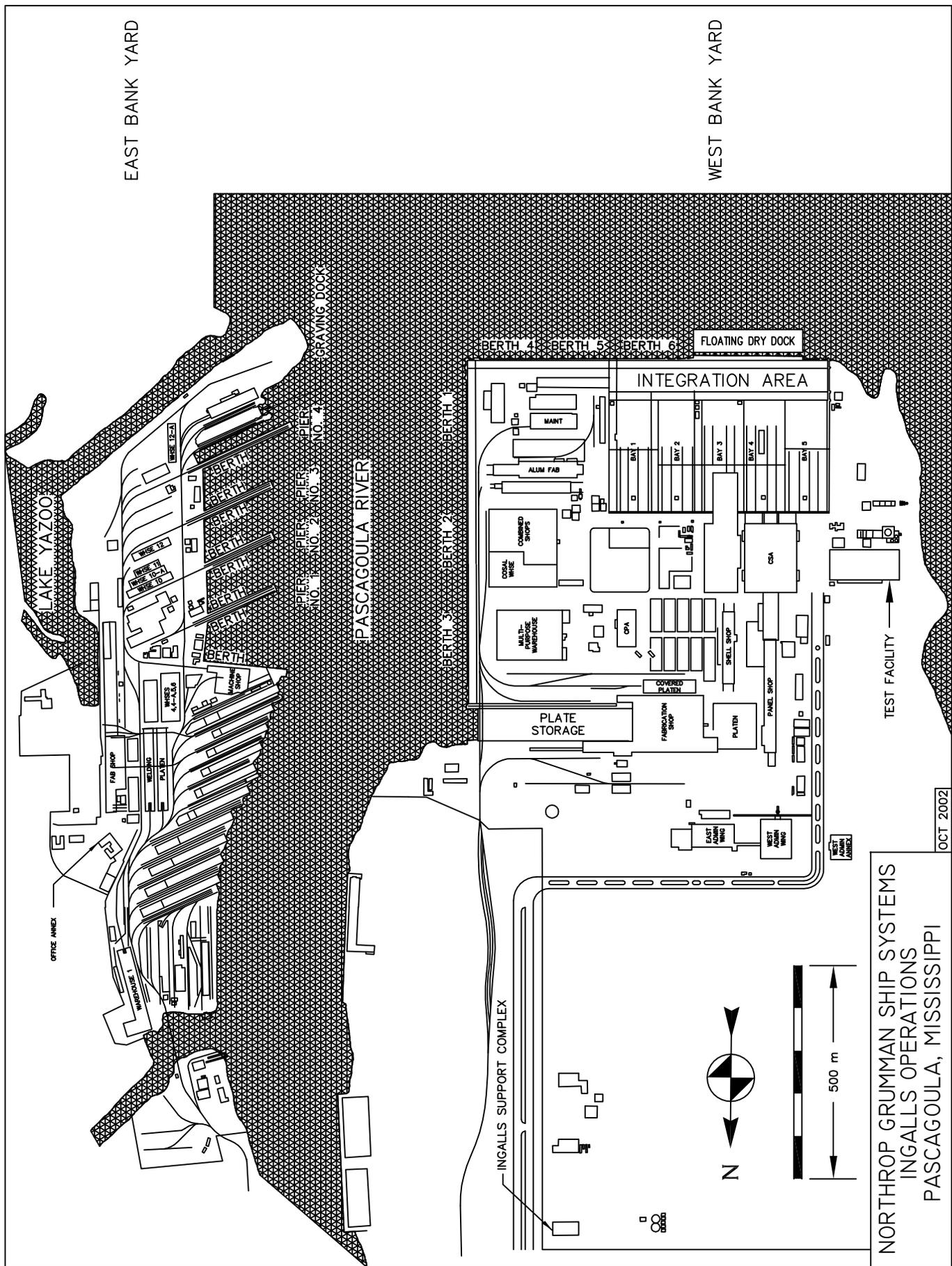
Ingalls' 243 hectare West Bank facility, completed in 1970, is geared to assembly-line construction, in lieu of conventional inclined shipbuilding ways. Fabricated steel and subassemblies are brought from the various shops to the subassembly area where they are erected and pre-outfitted, then moved to the module assembly area. These areas are divided into five major bays or process lines that can produce 5,447 metric ton modules. After assembly and outfitting, the modules are moved to an integration area where they are erected into a complete ship. The ship is then moved to a floating drydock (resting on a submerged grid) which is subsequently floated and moved to a deep-water area where the ship is ballasted and launched. The drydock can launch or recover a maximum ship size of 305 meters by 53 meters and 38,100 metric tons. Approximately 1,432 meters of berthing space, serviced by cranes up to 272 metric tons, are available for outfitting. A 16,721 square meters of the shipyard's slab area is roofed to increase the amount of early outfitting performed.

Ingalls' older East Bank facility has been in operation since 1938. Although there are six inclined shipways and a graving dock at East Bank, they were all taken out of service in 1989, along with three piers. One pier remains providing 457 meters of berthing space serviced by cranes with up to 54 metric tons of capacity for outfitting and topside repair.

Northrop Grumman Ship Systems has a facility located in Gulfport, MS, capable of building vessels 137 meters long by 27 meters beam.

As of mid-2002, Northrop Grumman Ship Systems employed a total labor force of about 15,600.





NORTHROP GRUMMAN SHIP SYSTEMS
 INGALLS OPERATIONS
 PASCAGOULA, MISSISSIPPI

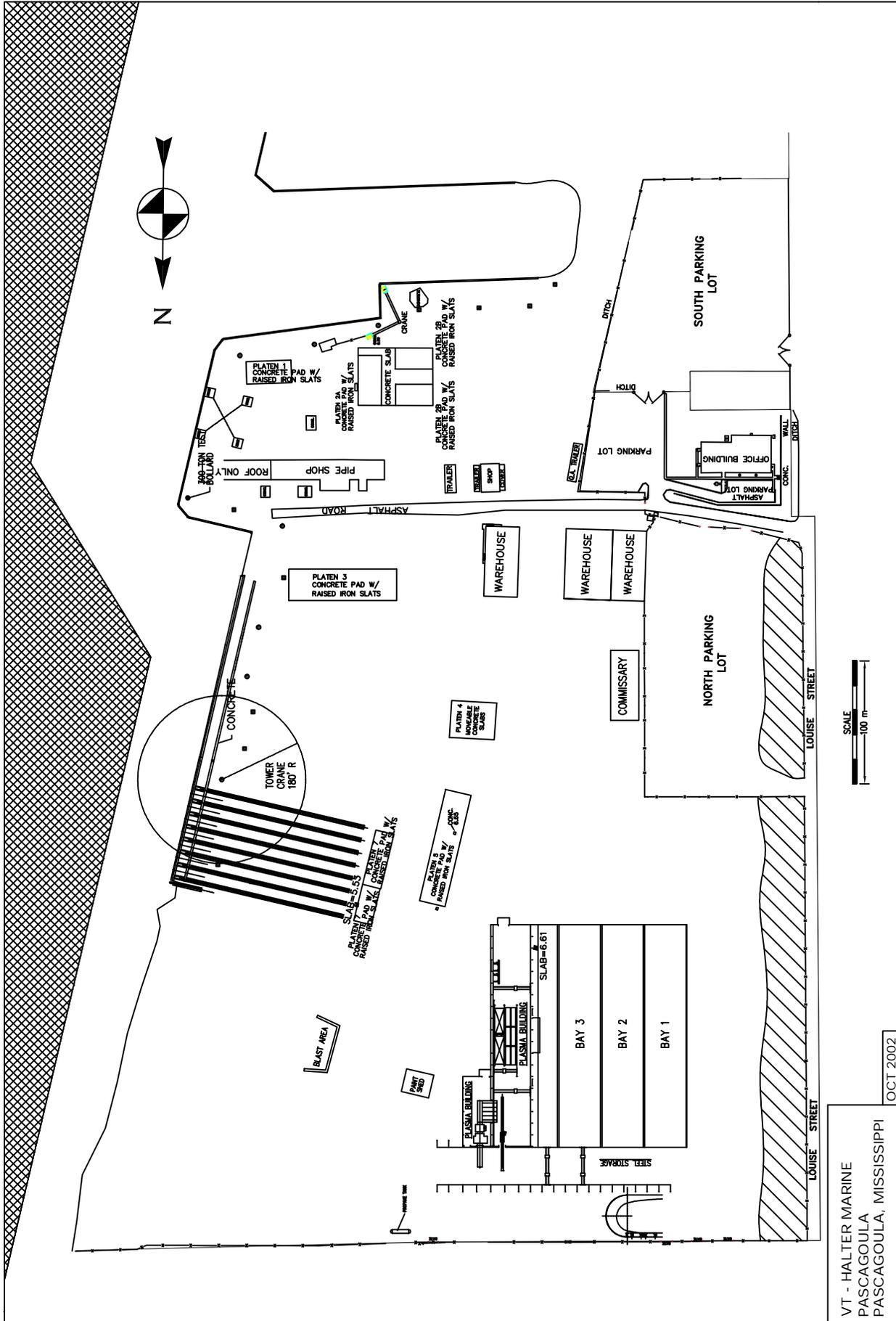
OCT 2002

VT-Halter Marine Pascagoula

The VT-Halter Marine Pascagoula shipyard was acquired by Halter in November 1995 and is located in Pascagoula, MS. The shipyard consists of approximately 36 hectares of property and has the capacity to build and service vessels up to 244 meters by 35 meters, with a 6 meter water depth and unlimited height. The existing major facilities consist of over 914 meters of waterfront, 213 meters of steel bulkhead wet dock space and an unobstructed access to the Gulf of Mexico. The yard has over 3,902 square meters of under-cover production facilities divided between a fabrication shop, paint shop, maintenance shop and warehouse. The yard has a 274 meter slip for wet dock work and a 304-metric ton shore mounted crane. The yard also has three crawler cranes and two-rack mounted gantry cranes. This facility has recently undergone a \$20 million expansion, which was structured in three phases. The major components of this plan had been implemented when the program was placed on hold until market conditions improved. The Panel Line Building was completed in addition to infrastructure improvements to the waterfront bulkheads, mooring equipment and yard facilities in preparation for the additional planned improvements. The scope that remained to be completed included additional outdoor assembly platens, hull erection slabs and cranes, completion of the outfitting wharf and provision of the utilities associated with these improvements.

The VT-Halter Marine Pascagoula shipyard is currently involved in support work for NOAA and LSV construction projects underway at VT-Halter Moss Point.

As of mid-2002, employment at VT-Halter Marine Pascagoula was about 100.

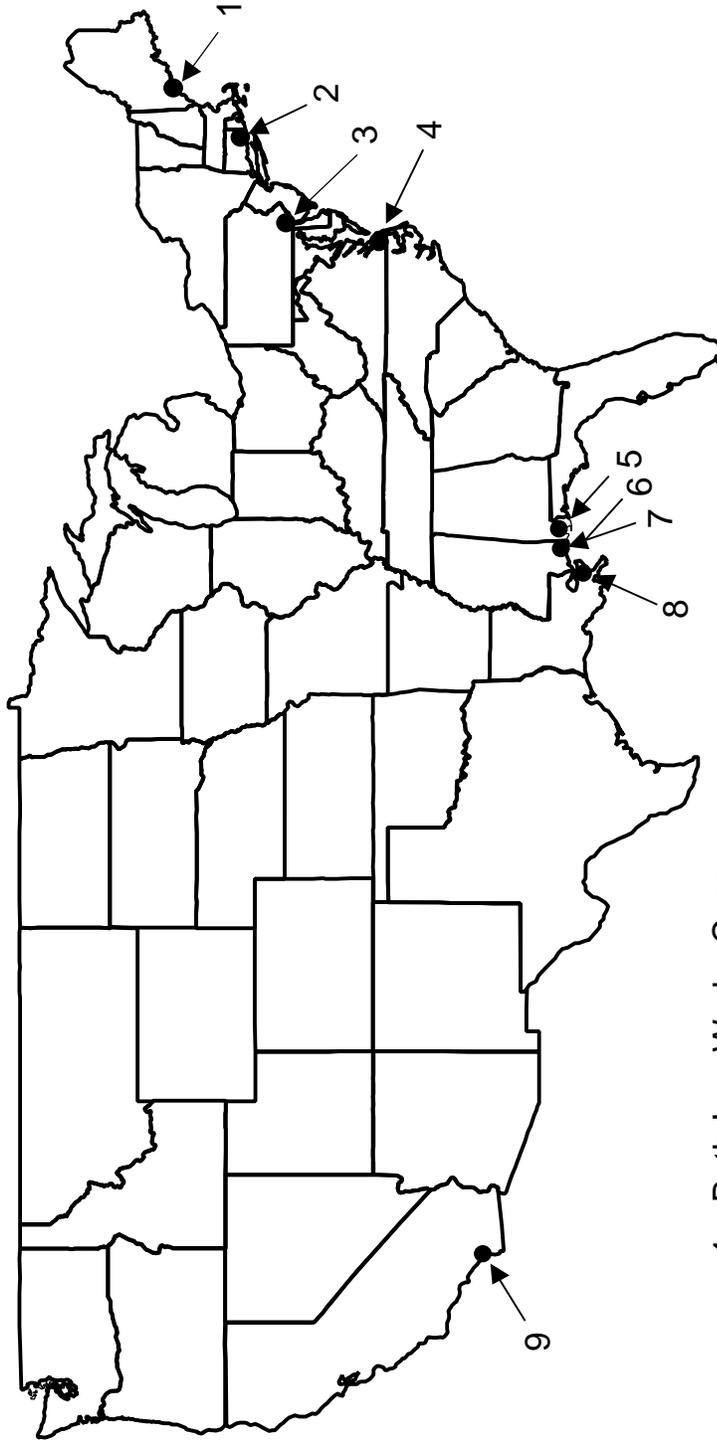


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**SHIPBUILDING INDUSTRY
AND
ACTIVITIES
2002**

MAJOR SHIPBUILDING FACILITIES IN THE UNITED STATES

Active Shipbuilding Yards

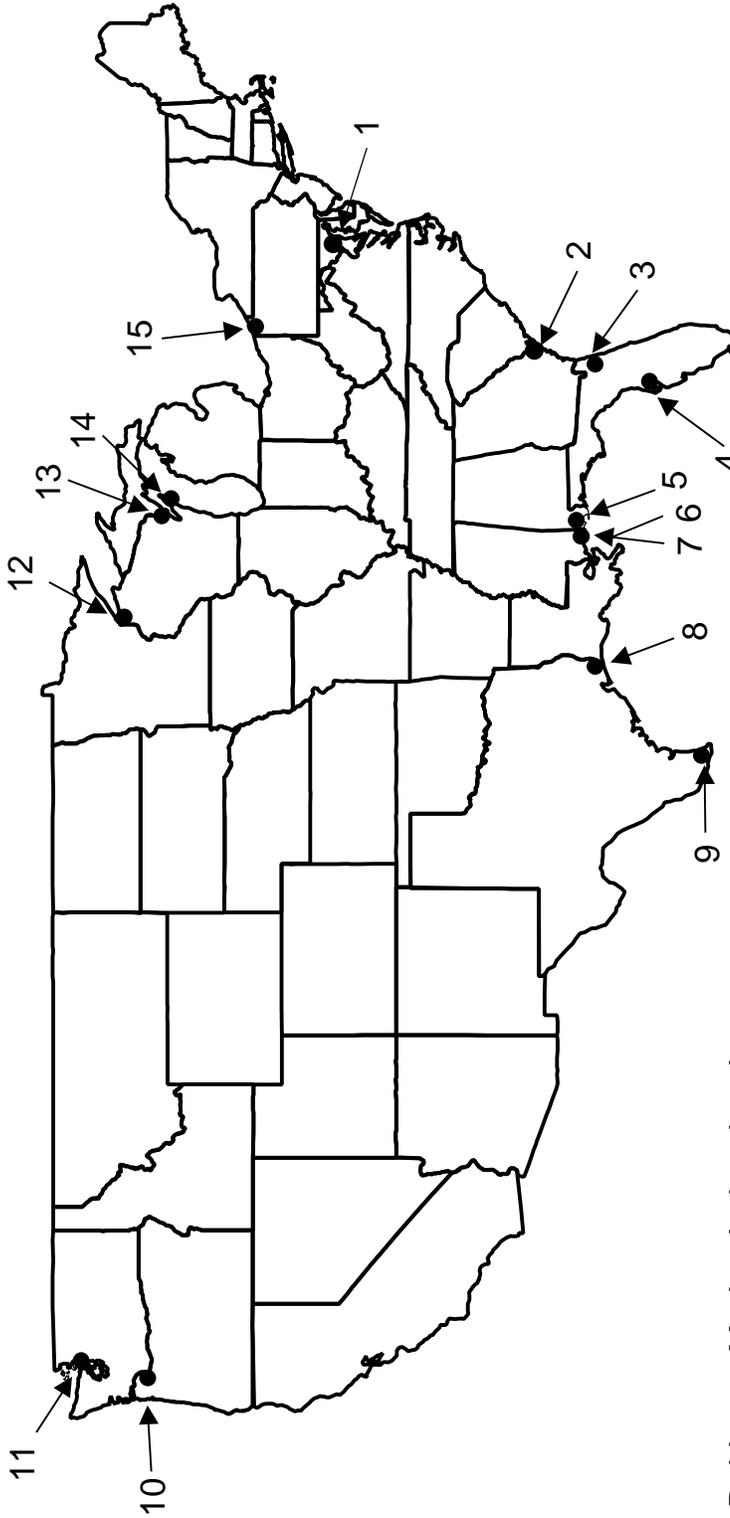


1. Bath Iron Works Corp.
2. Electric Boat Corp.
3. Kvaerner Philadelphia Shipyard, Inc.
4. Northrop Grumman Newport News
5. Bender Shipbuilding and Repair Company, Inc.
6. VT - Halter Marine Pascagoula
7. Northrop Grumman Ship Systems - Ingalls Operations
8. Northrop Grumman Ship Systems - Avondale Operations
9. National Steel and Shipbuilding Co.

2002

MAJOR SHIPBUILDING FACILITIES IN THE UNITED STATES

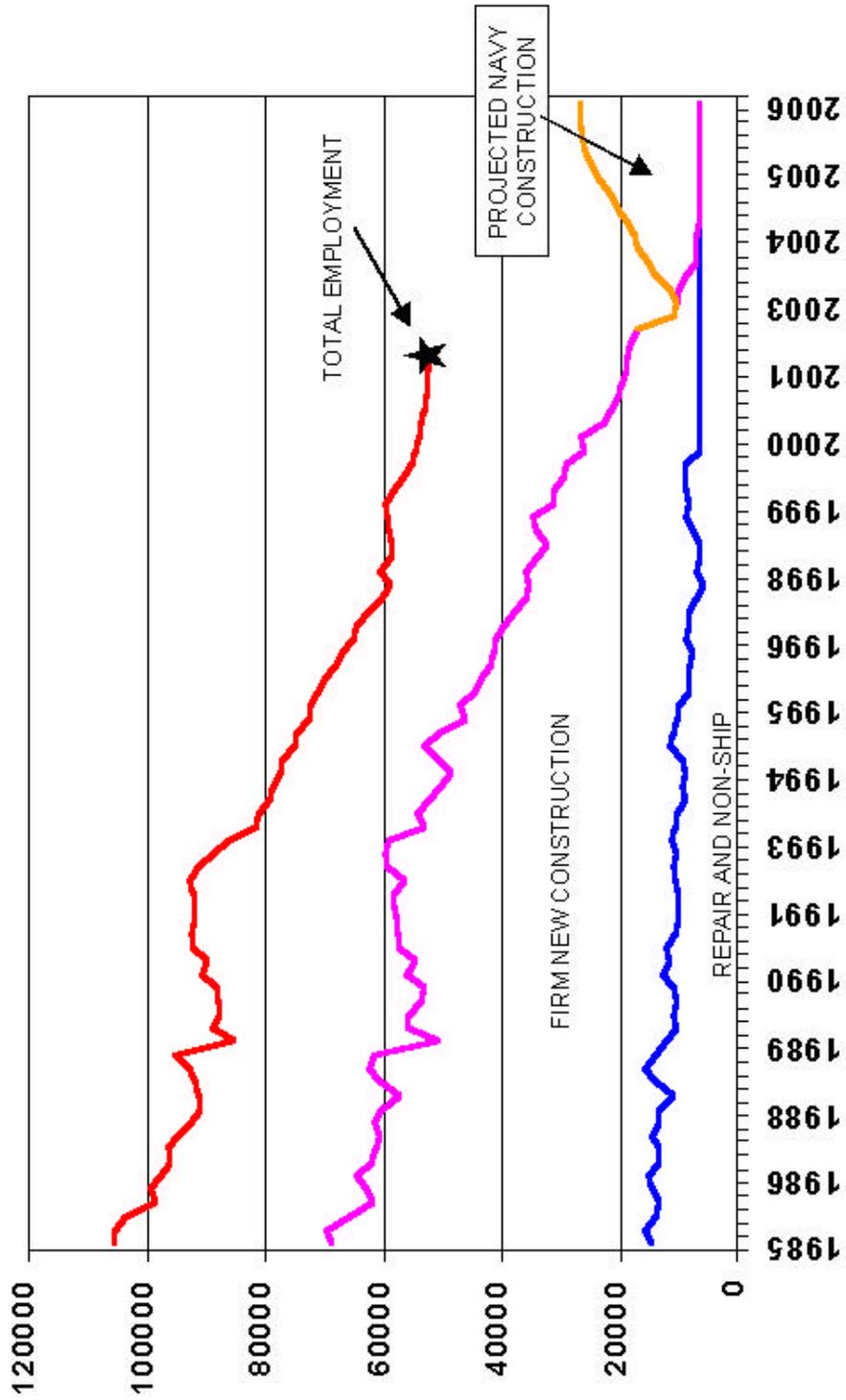
Other Shipyards with Build Positions



- | | |
|---|--|
| 1. Baltimore Marine Industries, Inc. | 10. Gundersen, Inc. |
| 2. Intermarine Savannah | 11. Todd Pacific Shipyards Corporation |
| 3. Atlantic Drydock Corp., Jacksonville | 12. Fraser Shipyards |
| 4. Tampa Bay Shipbuilding & Repair Co. | 13. Marinette Marine Corporation |
| 5. Alabama Shipyard, Inc. | 14. Bay Shipbuilding Co. |
| 6. VT - Hatter Moss Point | 15. Metro Machine Corporation,
Industrial Products Division |
| 7. Signal International, LLC - East Yard | |
| 8. United Marine Enterprises, Inc.,
Port Arthur Shipyard | |
| 9. AMFELS, Inc. | |

2002

SHIPBUILDING INDUSTRY WORKLOAD PROJECTION MAJOR SHIPBUILDING BASE SUMMATION NUMBER OF YARDS = 8



SOURCE: SHIPYARD DATA FROM FORM MA-832 WHEN PROVIDED
OFFICE OF SHIPBUILDING TECHNOLOGY; MARITIME ADMINISTRATION

U.S. COMMERCIAL SHIPBUILDING ORDERBOOK

At the end of 2002, the orderbook for commercial oceangoing ships consisted of the following: two 8,500 GT containerships at Bender Shipbuilding, Mobile AL; four 32,000 GT containerships at Kvaerner Philadelphia, Philadelphia, PA; two 60,885 GT Roll-on/Roll-off's (RO/RO's) and four 106,968 GT product tankers at National Steel Shipbuilding, San Diego, CA; three 88,187 GT crude carriers at Northrop Grumman Ship Systems, Avondale Operations, New Orleans, LA; and one 37,237 GT car/truck carrier at VT-Halter Marine Pascagoula, Pascagoula, MS. The orderbook has a total estimated value of over \$2.2 billion.

Exhibit 23

U.S. COMMERCIAL ORDERBOOK (as of December 31, 2002)

SHIPYARD	NUMBER	SHIPTYPE	GROSS TONS	CONTRACT DATE	LAST DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)
Bender Shipbuilding	2	Containership	8,500	07/17/2001	06/13/2003	\$ 69.0
VT - Halter Marine, Pascagoula	1	Car/Truck Carrier	37,237	12/14/1999	12/15/2004	\$ 70.1
Kvaerner, Philadelphia	4	Containership	32,000	01/24/2000	09/30/2004	\$ 440.0
National Steel and Shipbuilding	2	RO/RO	60,884	12/06/1999	06/15/2003	\$ 300.0
National Steel and Shipbuilding	4	Product Tanker	106,968	09/15/2000	07/27/2006	\$ 840.0
Northrop Grumman, Avondale	3	Crude Carrier	88,187	06/30/1997	05/31/2004	\$ 570.5
16 Ships					\$ 2,289.6	

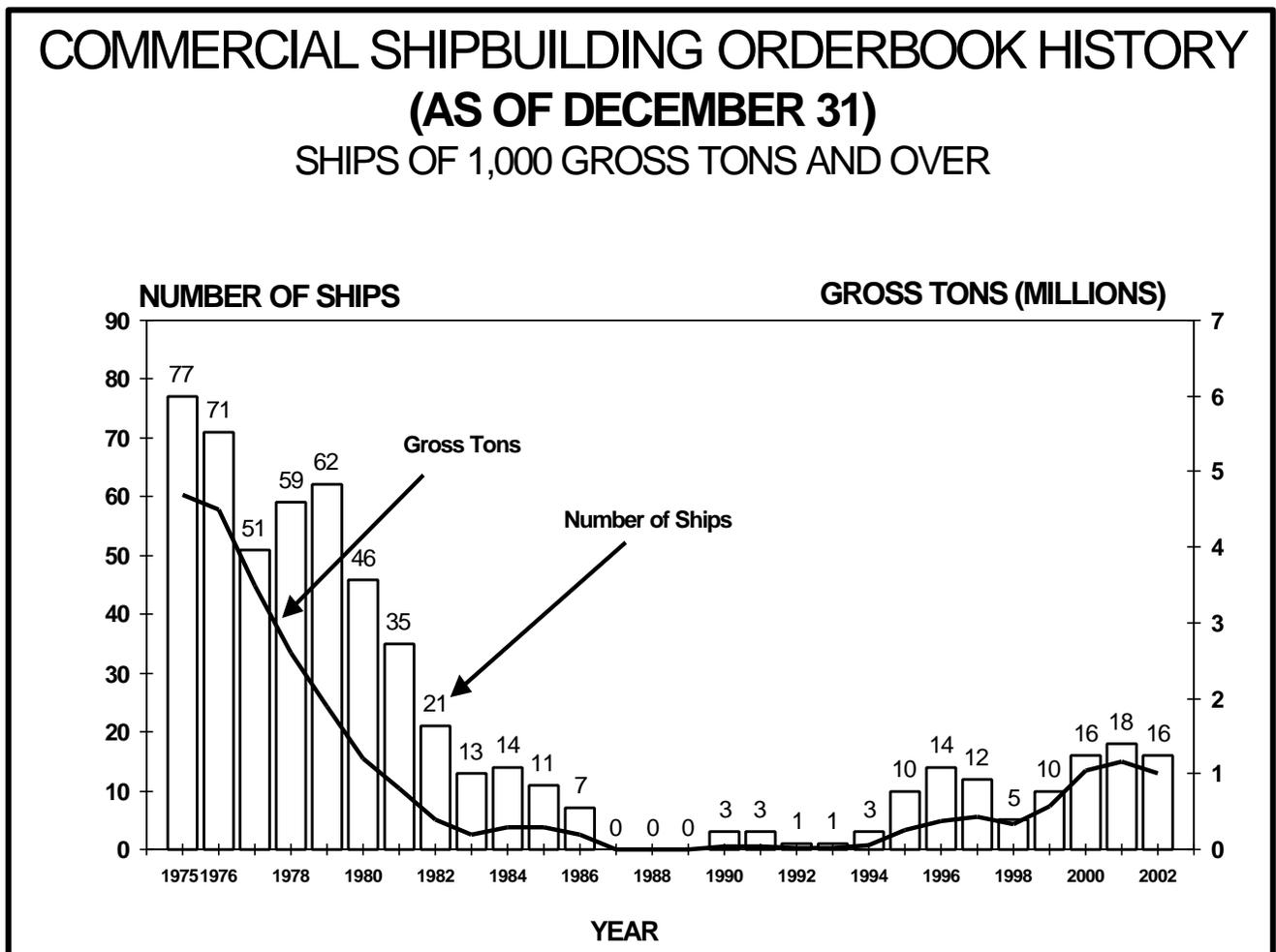
U.S. COMMERCIAL SHIP CONSTRUCTION

As of December 31, 2002, the U.S. orderbook for commercial shipbuilding remained at a level not seen since the early 1980's. The orderbook consisted of 16 oceangoing commercial vessels as listed previously.

These vessels are being financed in several different ways from the Title XI program and the Capital Construction Fund, both managed by the Maritime Administration, to private financing secured by the vessel owners. These vessels will all be eligible for the Jones Act, which will allow them to trade in the United States.

The exhibit below (Exhibit 24) shows the end year commercial ship construction orderbook since 1975.

Exhibit 24

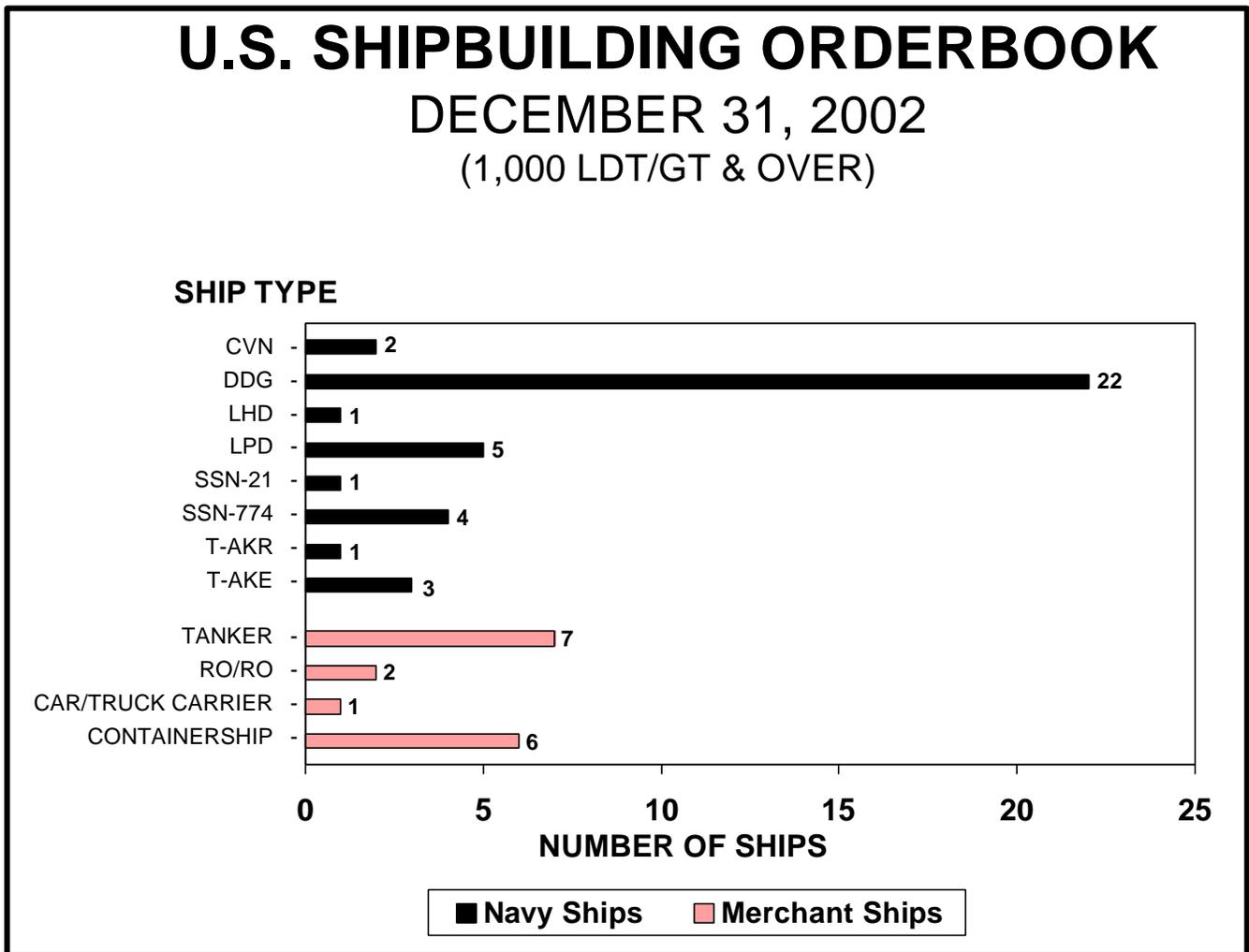


AGGREGATE U.S. SHIPBUILDING ORDERBOOK

As of December 31, 2002, ships on order or under construction in U.S. private shipyards totaled 39 naval and 16 commercial vessels (Exhibit 25). This orderbook includes naval vessels, 1,000 light displacement tons (LDT) and larger and commercial oceangoing ships, 1,000 GT and larger.

Nine shipyards had contracts for the construction of naval and commercial vessels. The naval shipbuilding orderbook, which was comprised of eight different types of vessels, included 34 ships scheduled for delivery in 2004 and later. Five shipyards had orders for a total of 16 commercial ships, seven are scheduled to be delivered during 2003, six in 2004, two in 2005 and one during 2006.

Exhibit 25



OVERALL NEW U.S. SHIPBUILDING ORDERS

During 2002, U.S. shipyards received orders for the construction of two new oceangoing commercial vessels and eleven new naval vessels (Exhibit 26).

In May 2002, Kvaerner Holdings optioned two additional containerships at Kvaerner Philadelphia Shipyard. This followed the sale of the two containerships under contract to Matson Navigation. The Navy awarded the following contracts during 2002: one Amphibious Assault Ship (LHD), one Amphibious Transport ship (LPD), one Combat Logistics vessel (T-AKE) and a multi-year contract for eight Destroyers (DDG's).

Exhibit 26

NEW SHIPBUILDING ORDERS - 2002					
as of December 31, 2002					
(1,000 GT or LDT and OVER)					
SHIPYARD	DESIGN TYPE	APPROXIMATE CONTRACT PRICE (in Millions)	ESTIMATED LDT / GT	CONTRACT AWARD DATE	ESTIMATED DELIVERY DATE
<u>COMMERCIAL SHIPS</u>					
Kvaerner, Philadelphia	Containership	\$ 110.0	32,000 GT	05/14/2002	06/30/2004
Kvaerner, Philadelphia	Containership	\$ 110.0	32,000 GT	05/14/2002	09/30/2004
	2 Ships	\$ 220.0	64,000 GT		
<u>NAVAL SHIPS</u>					
Northrop Grumman, Ingalls	LHD 8	\$ 1,369.0	28,233 LDT	04/19/2002	05/31/2007
Northrop Grumman, Ingalls	LPD 19	\$ 850.0	25,300 LDT	06/17/2002	11/11/2005
Northrop Grumman, Ingalls	DDG 103	\$ 534.0	8,344 LDT	06/17/2002	05/04/2007
National Steel & Shipbuilding	T-AKE 3	\$ 289.9	17,871 LDT	07/16/2002	05/15/2006
Bath Iron Works	DDG 102	\$ 523.5	8,344 LDT	09/13/2002	04/27/2007
Bath Iron Works	DDG 104	\$ 523.5	8,344 LDT	09/13/2002	12/07/2007
Bath Iron Works	DDG 106	\$ 523.5	8,344 LDT	09/13/2002	07/18/2008
Bath Iron Works	DDG 108	\$ 523.5	8,344 LDT	09/13/2002	02/27/2009
Bath Iron Works	DDG 109	\$ 523.5	8,344 LDT	09/13/2002	10/09/2009
Bath Iron Works	DDG 111	\$ 523.4	8,344 LDT	09/13/2002	05/21/2010
Bath Iron Works	DDG 112	\$ 523.4	8,344 LDT	09/13/2002	12/31/2010
	11 Ships	\$ 6,707.2	138,156 LDT		

U.S. COMMERCIAL SHIP DELIVERIES

During 2002, U.S. shipyards delivered two commercial oceangoing ships (Exhibit 27). Atlantic Marine, Jacksonville delivered the second of two coastal cruise ships to American Classic Voyages and Northrop Grumman Ship Systems, Avondale Operations delivered the second of a series of crude tankers to Polar Tankers.

Exhibit 27

COMMERCIAL OCEANGOING VESSELS DELIVERED - 2002

December 31, 2002
(1,000 GT and OVER)

SHIPYARD	DESIGN TYPE	VESSEL NAME	GROSS TONS	CONTRACT DELIVERY DATE	PRICE (IN Millions)
	Coastal				
Atlantic Drydock, Jacksonville	Cruise Ship	CAPE COD LIGHT	1,580	01/31/2002	\$42.8
Northrop Grumman, Avondale	Crude Tanker	POLAR RESOLUTION	88,187	05/30/2002	\$166.0
	2 Ships		89,767		\$208.8

U.S. NAVAL SHIP DELIVERIES

During 2002, U.S. private shipyards delivered six new naval vessels, 1,000 LDT and larger. The naval vessels delivered totaled approximately 98,000 LDT and had an initial contract value estimated to be \$1.5 billion (Exhibit 28).

Three different types of naval ships were delivered by five shipyards:
 3 - guided missile destroyers (DDG); 2 - vehicle cargo ships (T-AKR) and 1 - research vessel (AGOR).

Exhibit 28

NAVY CONSTRUCTION VESSELS DELIVERED - 2002 December 31, 2002 (1,000 LDT and OVER)

SHIPYARD	SHIP CLASS and HULL NUMBER	ESTIMATED VESSEL NAME	LDT	DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)
Atlantic Drydock, Jacksonville	AGOR 26	KILO MOANA	2,542	01/16/2002	\$ 45.3
Bath Iron Works	DDG 87	MASON	8,344	03/29/2002	\$ 333.6
Northrop Grumman, Avondale	T-AKR 305	BRITTIN	34,408	07/12/2002	\$ 210.0
Northrop Grumman, Ingalls	DDG 86	SHOUP	8,344	02/28/2002	\$ 361.7
National Steel and Shipbuilding	T-AKR 317	SODERMAN	36,114	09/25/2002	\$ 230.0
Northrop Grumman, Ingalls	DDG 88	PREBLE	8,344	08/12/2002	\$ 333.6
	6 Ships		98,096		\$ 1,514.2

U.S. NAVY'S T-SHIP PROGRAM

The Navy's T-ship program is an important segment of ship construction and conversion activity for U.S. shipyards. T-ships are auxiliary vessels funded by the Navy budget but designed to be civilian-manned and under the control of the Military Sealift Command. Since mid-1979, 16 U.S. private shipyards have been awarded contracts for the construction of 73 new ships and the conversion of 36 existing vessels. The initial contract value for these vessels totaled approximately \$10.7 billion.

During 2002, there was only one new order for a T-ship placed with a U.S. shipyard.

During this same period, deliveries included two military sealift ships (T-AKR) one by National Steel Shipbuilding, San Diego, CA and one by Northrop Grumman Ship Systems, Avondale Operations, New Orleans, LA.

As of December 31, 2002, four T-ships were under construction or on order at two shipyards (Exhibit 29). The value of this orderbook is approximately \$1.2 billion.

Exhibit 29

T-SHIPS ON ORDER OR UNDER CONSTRUCTION (as of December 31, 2002)

SHIPYARD	SHIP CLASS and HULL NUMBER	VESSEL NAME	DELIVERY DATE	APPROXIMATE CONTRACT PRICE (In Millions)
Northrop Grumman, Avondale	T-AKR 306	BENAVIDEZ	06/30/2003	\$ 227.0
National Steel and Shipbuilding	T-AKE 1	LEWIS AND CLARK	03/19/2005	\$ 406.9
National Steel and Shipbuilding	T-AKE 2	SACAGAWEA	09/15/2005	\$ 301.6
National Steel and Shipbuilding	T-AKE 3	- unnamed -	05/15/2006	\$ 289.9
	4 Ships			\$ 1,225.4

PROJECTED U.S. NAVY SHIPBUILDING PLAN

The U.S. Navy shipbuilding plan for fiscal years 2003 - 2008 includes the construction of 42 new ships (Exhibit 30). More than \$65 billion is proposed for this plan. Shipyard contract value accounts for about a third of this amount, while the remainder is attributed to Government-furnished equipment placed aboard the vessels and to other Government program costs.

The Navy's proposed FY 2003 - 2008 shipbuilding program represent an increase in the amount of new shipbuilding work available to the nation's industrial base when compared with Navy programs for the past several years. This program, with an average of seven new ships per year, represents a 5 percent increase in the quantity of ships being procured as compared to the 2002-2007 plan.

The Navy's plan includes the construction of 13 guided missile destroyers (DDG-51/DD(X)), 8 attack submarines (SSN) and 6 amphibious transport ships (LPD). These three shipbuilding programs will probably utilize more than 80 percent of the available new construction funding.

Exhibit 30

NAVY SHIPBUILDING PLAN Fiscal Years 2003 - 2008

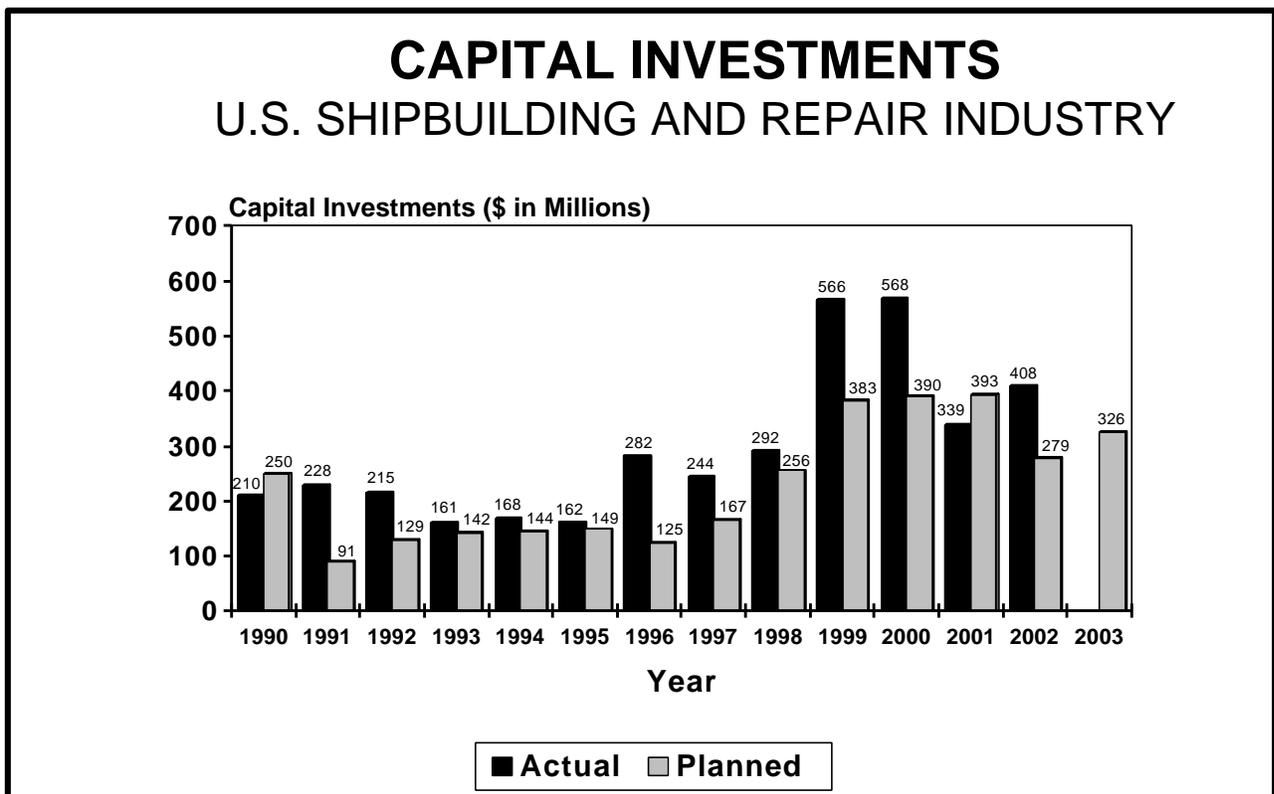
Ship Class	2003	2004	2005	2006	2007	2008	Total
<u>New Construction</u>							
CVN	-	-	-	-	1	-	1
SSN-774	1	1	1	1	2	2	8
DD(X)	-	-	1	1	1	2	5
DDG-51	2	3	3	-	-	-	8
LCS	-	-	1	1	-	3	5
LPD	1	1	-	2	1	1	6
MPF	-	-	-	-	-	1	1
T-AKE	1	2	2	2	1	-	8
Total	5	7	8	7	6	9	42

CAPITAL INVESTMENT IN U.S. SHIPBUILDING

During FY 2002, the U.S. ship construction and ship repair industry invested more than \$408 million in the upgrade and expansion of facilities (Exhibit 31). Much of this investment was to improve efficiency and competitiveness in the commercial shipbuilding arena. Improvements were made to update and convert shipyard facilities to be more commercially viable. Examples of recent capital investments are new pipe and fabrication shops, drydock extensions, military work enhancement programs, automated steel process buildings and expanded design programs. Many of these improvements have been necessary due to the increased utilization of U.S. shipyards, particularly those along the Gulf Coast, resulting from the resurgence of the Oil Patch Industry.

In 2003, the industry plans to spend about \$325 million in the upgrade and expansion of facilities, according to data received by the Maritime Administration. The industry's capital investments since 1970 have totaled approximately \$8.5 billion. The actual expenditures between 1985 and 2001, with the exception of 1990 and 2001, have consistently exceeded those planned.

Exhibit 31

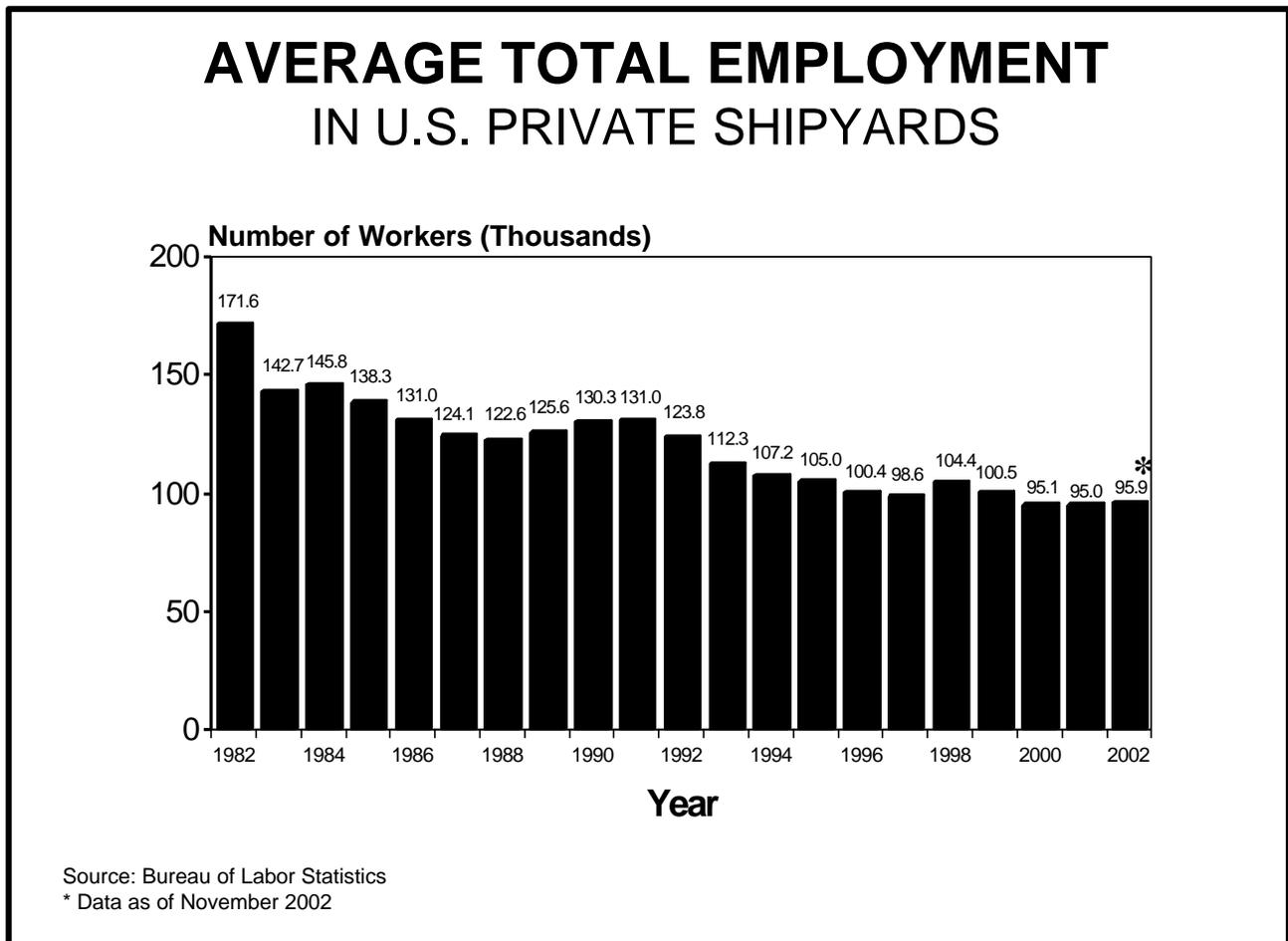


TOTAL EMPLOYMENT IN U.S. PRIVATE SHIPYARDS

According to employment data published by the Bureau of Labor Statistics (BLS), U.S. Department of Labor, under the Standard Industrial Classification (SIC) Code 3731 (Shipbuilding and Repairing), the average total employment in U.S. private shipyards for 2002 was 95,900 (Exhibit 32). This total reflects an increase of approximately 1 percent, from the 2001 revised average total employment for the shipbuilding and repairing industry. This is the first increase in the average total employment since 1998.

Since the early 1980's, the long-term trend for employment in the U.S. private shipbuilding and repair business has been lower, despite increases experienced during 1989-1991, in 1998. The 2002 employment level in the U.S. shipbuilding and repairing industry is down 44 percent from the 1982 level of 171,600 people.

Exhibit 32

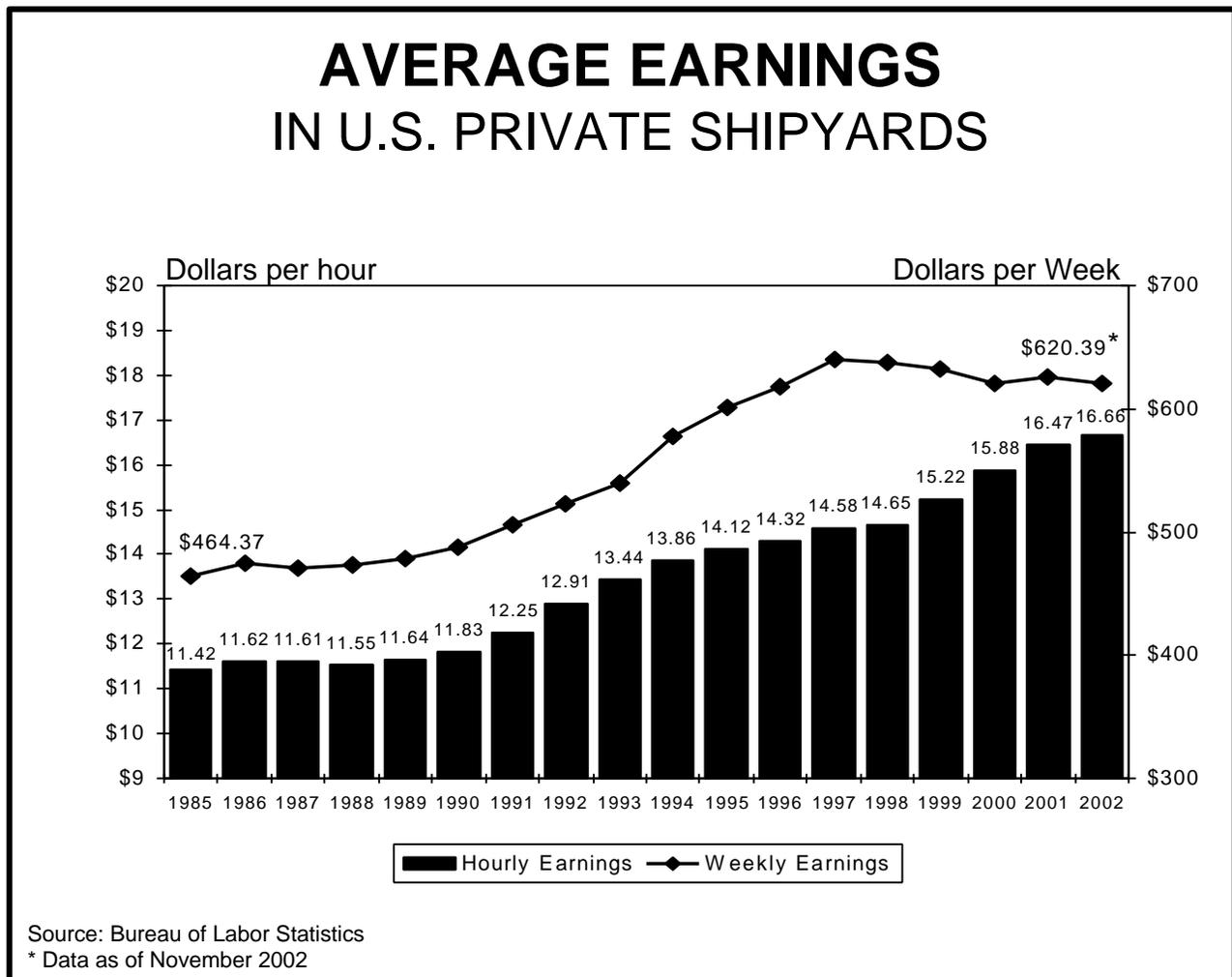


AVERAGE EARNINGS IN U.S. PRIVATE SHIPYARDS

Average hourly earnings in the U.S. private shipyards are presented on a "gross" basis, reflecting not only changes in basic hourly and incentive wage rates, but also such variable factors as premium pay for overtime and late-shift work, as well as changes in output for workers paid on an incentive plan. Averages of hourly earnings differ from wage rates. Earnings are the actual return to the workers for a stated period of time; rates are the amount stipulated for a given unit of work or time. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings, but also by changes in the length of the workweek.

The annual average earnings of the private shipyards in the United States from 1985 through 2002 show an increase from \$11.42 to \$16.66 (Exhibit 33). During the same period, the average weekly earnings rose from \$464.37 to \$620.39.

Exhibit 33



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**SHIPYARD ACTIVITY
REPORT SUMMARY
2002**

SHIPYARD ACTIVITY REPORT SUMMARY
SHIPYARD ORDERBOOK AS OF DECEMBER 31, 2002

Area	Cargo	Roll-On / Roll-Off	Container	Barge Carrier	Tug / Barge	Tanker	Ore/Bulk	Govt.*	T-Ships	Other Vessels	TOTAL
SHIPS UNDER CONSTRUCTION											
East Coast	-	-	4	-	4	-	-	-	-	18	26
Gulf Coast	-	1	2	-	56	3	-	25	1	123	211
West Coast	-	2	-	-	8	4	-	23	3	22	62
Great Lakes and Inland	-	-	-	-	6	-	-	127	-	26	159
TOTAL	-	3	6	-	74	7	0	175	4	189	458
SHIPS UNDER CONVERSION											
East Coast	-	-	-	-	-	-	-	-	-	-	-
Gulf Coast	-	-	-	-	7	-	-	-	-	-	7
West Coast	-	-	-	-	-	-	-	-	-	-	-
Great Lakes and Inland	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	7	-	-	-	-	-	7

* GOVERNMENT PROJECTS EXCLUDING NAVY

TOTAL NUMBER OF UNDELIVERED VESSELS UNDER CONTRACT	465
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CONTRACTS FOR NEW VESSELS (October 2001 – December 2002)

<p>A&B Industries 2 Harbor Tugs 2 Offshore Supply Vessels Alabama Shipyard 1 ATB, Double-Hulled Barge 1 ATB Tug All American Marine, Inc. 1 Catamaran 1 Research Vessel 1 Passenger Vessel Allen Marine, Inc. 7 Ferries Aluminum Marine Construction, Inc. (ALMAR) 6 Patrol Boats 2 Pilot, RIB Boats AMFELS, Inc. 1 Jack-up Drilling Rig Austal USA 1 Dinner Cruise Boat 3 Passenger Catamarans Basic Marine 1 Ferry 1 Fisheries Research Vessel Bay Shipbuilding Company 1 Ferry Bender Shipbuilding and Repair Company, Inc. 10 Deepwater Offshore Supply Vessels 2 Offshore Supply Vessels 2 Platform Supply Vessels Bentz Boats, LLC 6 Tour Boats Blount-Barker Shipbuilding Corporation 1 Whale Watch Catamaran 1 Double Ended Ferry 1 Ferry (Conversion) Bollinger, Algiers, LLC 8 Tug (conversions) Bollinger, Gretna 2 Double Hull Oceangoing Barges Bollinger, Lockport, LLC 2 Tank Barges 9 Supply/Utility Vessels 4 Tug Boat 4 Platform Supply Vessels 13 Coastal Patrol Boats</p>	<p>Bollinger Marine Fabricators, LLC 3 Utility Boats Breaux Brothers 8 Crewboats 1 Work Barge 1 Safety Standby Vessel 2 Survey Vessels Breaux's Bay Craft, Inc. 4 Crewboats C & G Boat Works 1 Supply Vessel 5 Crewboats 1 Tug Chesapeake Shipbuilding Corporation 1 Overnight Cruise Vessel Conrad Shipyard, Inc. 1 Ferry 3 Tow Boats 2 Double-Bottomed Tugs Corn Island Shipyard, Inc. 2 Dump Scow Barges 1 Deck Barge Derecoktor Shipyards Connecticut 1 Ferry Eagle Drydock and Marine Repairs 1 Dredge Tender Eastern Shipbuilding Group 4 Clam Boats 2 Ferries 1 Ship Assist Tug 2 Catamarans 6 Offshore Supply Vessels Freeport Shipbuilding Group 2 Dinner Cruise Boats 2 Passenger Ferries GEO Shipyards 1 Pilot Boat 1 Sport Fishing Boat Gladding-Hearn Shipbuilding 4 Pilot Boats 5 Ferries 1 Research Vessel Gulf County Shipbuilding 1 Swath Cruise Ship</p>	<p>Gulf Craft, Inc. 7 Crewboats 1 Catamaran Gunderson, Inc. 2 Barges Hope Services, Inc. 3 Push Boats Horizon Shipbuilding, Inc. 1 Survey Vessel Intermarine Savannah 1 Yacht Island Boats, Inc. 1 Catamaran 3 Landing Craft 2 Ferries Jeffboat, LLC 1 Rake Barge John Bludworth Shipyard, LLC 1 Inland Tow Boat Keith Marine, Inc. 1 Dinner Cruise Boat Kody Marine, Inc. 1 Inland Tow Boat Kvaerner Philadelphia Shipyard, Inc. 2 Containerships Kvichak Marine Industries, Inc. 4 Barges 3 Fire Boats 1 Launch Boat 1 Patrol Boat 1 Pilot Boat 2 Survey Boats LaForce Shipyard 1 Crew Boat 1 Push Boat Leevac Industries, LLC 7 Offshore Supply Vessels LeTourneau 3 Jackup Rigs Main Iron Works, Inc. 1 Tug 1 Scallop MARCO Shipyard, Seattle 1 Oil Spill Recovery Vessel</p>
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CONTRACTS FOR NEW VESSELS (October 2001 – December 2002)
(CONTINUED)

<p>Marine Builders, Inc. 6 Deck Barges 1 Dredge Barge 1 Dinner Boat 5 Push Boats 1 Work Boat Marine Inland Fabricators 6 Barges 4 Push Boats Marinette Marine Corporation 3 Ferries 2 Seagoing Bouy Tenders 1 Icebreaker Master Boat Builders, Inc. 1 Shrimper 3 Offshore Supply Vessels 3 Supply Vessels Modutech Marine, Inc. 2 Fast Patrol Craft 1 Docking Tug National Steel and Shipbuilding Company 3 Combat Logistics/Dry Cargo Ships Neuville Boat Works, Inc. 2 Crew/Supply Boats Newpark Shipbuilding and Repair, Inc. 2 Deck Barges Newpark Shipbuilding and Repair, Inc. Galveston 1 Barge Nichols Brothers Boat Builders, Inc. 1 Steam Boat (Sternwheeler) North American Shipbuilding Company 4 Supply Anchor Handling Vessels Orange Shipbuilding Company, Inc. 1 Passenger Ferry 9 Tugs Patti Shipyard, Inc. 2 Ferries</p>	<p>Queen Craft Shipyard 1 Crew Boat Rodriguez Boat Builders, Inc. 1 Passenger Boat 1 Scallop Boat 1 Service Boat 1 RO/RO Cargo Vessel 4 Offshore Tugs 1 River Tug Rozema Boat Works 3 Oil Spill Response Boats SAFE Boats International 78 Response Boats SeaArk Marine, Inc. 32 Aluminum Work Boats 2 Dive/Rescue Boats 1 Fire/Rescue Boat 79 Patrol Boats 8 Spill Response Boats 1 Survey Boat Southeastern New England Shipbuilding Corporation (SENECO) 2 Fuel Barges 7 Deck Barges 1 Hopper Barge Multiple Steel Pier Floats Serodino Inc. 1 Towboat 1 Dinner Boat Steiner Shipyard, Inc. 1 Ferry Swiftships Shipbuilders, LLC 1 Crew Boat 1 Misc. Vessel Thomas-Sea Boat Builders, Inc. 2 Tugs 1 Offshore Supply Vessel</p>	<p>Trinity Ashland City 2 Tank Barges Trinity Caruthersville 3 Box Hopper Barges 3 Rake Hopper Barges Trinity Madisonville 5 Rake Barges Trinity Port Allen 1 Rake Barge 1 Tank Barge 2 Box Barges Verret Shipyard 2 Push Boats VT – Halter Moss Point 3 Fisheries Research Vessels 1 Offshore Supply Vessel VT – Halter Moss Point Marine 1 Ocean Tug (ATB) Washburn & Doughty Assoc., Inc. 2 Z-Drive Tug Western Towboat Company 1 Tractor Tug Winninghoff Boats, Inc. 1 Barge 1 Work Boat 1 Fire Boat 1 Utility Boat 1 Research Vessel Workskiff, Inc. 1 Crew Boat 1 Dive Boat 3 Fishing Boat 2 Research Boats 2 Utility Boats 1 Work Boat Zidell Marine Corporation 2 Petroleum Barges 2 Grain Barges</p>
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VESSELS DELIVERED (October 2001 – December 2002)

<p>A & B Industries 2 Harbor Tugs 1 Model Bow Tug 2 Offshore Supply Vessels Alabama Shipyard 2 ATB Double Hulled Barges 3 Double Hulled Barges 2 ATB Tugs 2 Offshore Supply Vessels All American Marine, Inc. 1 Catamaran Allen Marine, Inc. 8 Ferries Aluminum Marine Construction, Inc (ALMAR) 6 Patrol Boats 2 Pilot Boats AMFELS, Inc. 1 Semi-submersible Multipurpose Rig 1 Drilling Rig Atlantic Dry Dock Corporation 1 Swath Research Vessel (AGOR 26) 1 Coastal Cruise Ship Austal USA 2 Aluminum Crew Boats 2 Catamarans Basic Marine 4 Barges Bath Iron Works Corporation 1 Destroyer (DDG 87) Bay Shipbuilding Company 3 Barges 1 Dredge Bender Shipbuilding and Repair Company, Inc. 2 Cargo Ship (conversions) 1 Tug 5 Offshore Supply Vessels Bentz Boats, LLC 3 Passenger Boats Blount-Barker Shipbuilding Corporation 1 Ferry (conversion) 1 Double-ended Ferry 1 Tug</p>	<p>Boconco Shipyard 8 Utility Boats 2 Offshore Supply Vessels Bollinger Algiers, LLC 1 Tug (conversion) Bollinger Lockport, LLC 2 Tank Barges 10 Coastal Patrol Boats 2 Lift Boats 4 Utility Vessels 1 Harbor Tug 3 Offshore Supply Vessels 4 Supply/Utility Vessels Bollinger Marine Fabricators, LLC 2 Lift Boats 3 Utility Boats Breaux Brothers 1 Work Barge 7 Crew Boats Breaux's Bay Craft, Inc. 7 Crew Boats 1 Pleasure Boat C & G Boat Works 2 Crew Boats 1 Push Boat 1 Tug 2 Supply Vessels Chesapeake Shipbuilding Corporation 1 Passenger Boat Conrad Shipyard, Inc. 8 Barges 1 Lift Boat 2 Tugs 1 Crew/Supply Vessel Corn Island Shipyard, Inc. 9 Barges Dakota Creek Industries, Inc. 1 Ferry Derektor Shipyards Connecticut 1 Freight Boat 3 Passenger Ferries</p>	<p>Derektor Shipyards New York 1 Pilot Boat 1 Fisheries Research Vessel Diversified Marine, Inc. 3 Barges Eastern Shipbuilding Group 4 Clam Boats 1 Cutter Derdge 1 Passendger/Vehicle Ferry 1 Catamaran 1 Offshore Supply Vessel Freeport Shipbuilding Group 1 Passendger/Vehicle Ferry 1 Catamaran 1 Work Boat 1 Crew Boat 1 Dinner Cruise Boat GEO Shipyards 1 Pilot Boat 1 Catamaran Gladding-Hearn Shipbuilding 4 Ferries 5 Pilot Boats 1 Research Vessel Gulf County Shipbuilding 1 Swath Cruise Boat Gulf Craft, Inc. 5 Crew/Supply Boats Gunderson, Inc. 2 Deck Cargo Barges HBC Barge, LLC 6 Barges Hope Services, Inc. 2 Pushboats 1 Tug Horizon Shipbuilding, Inc. 1 Target Ship 1 Oil Response Vessel 1 Survey, Aluminum Vessel Houma Fabricators – Shipyard De Hoop of Houma, Inc. 1 Towboat 2 Offshore Supply Vessels</p>
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VESSELS DELIVERED (October 2001 – December 2002)
(CONTINUED)

<p>Inland Boat Works 1 Push Boat Intermarine Savannah 4 Motor Yachts Island Boats, Inc. 3 Catamarans 3 Landing Craft Jeffboat, LLC 64 Barges John Bludworth Shipyard, LLC 6 Inland Tow Boats Keith Marine, Inc. 2 Dinner Cruise Boats 1 Yacht Kody Marine, Inc. 1 Inland Tow Boat Kvichak Marine Industries, Inc. 14 Barges 3 Fire Boats 2 Fire/Patrol Boats 1 Launch Boat 1 Pilot Boat 4 Catamarans 2 Oil Spill Response Vessels LaForce Shipyard 1 Crew Boat 3 Push Boats Leevac Industries, LLC 4 Offshore Supply Vessels Main Iron Works, Inc. 2 Tugs 1 Scalloper 1 Towboat MAR COM, Inc. 1 Ferry MARCO Shipyard, Seattle 1 Oil Spill Recovery Vessel 2 Tractor Tugs Marine Builders, Inc. 2 Barges 2 Push Boats 2 Work Boats</p>	<p>Marine Inland Fabricators 15 Barges 13 Push Boats 1 Pusher Tug Marinette Marine Corporation 3 Seagoing Buoy Tenders 2 ATB Ocean Tugs Master Boat Builders, Inc. 7 Shrimpers 9 Offshore Supply Vessels Mississippi Marine Corporation 1 Showboat Vessel Modutech Marine, Inc. 1 Crew Boat 1 Fast Patrol Craft 1 Docking Tug National Steel and Shipbuilding Company 1 T-AKR (Fast Sealift, T-AKR 317) Neuville Boat Works, Inc. 2 Crew/Supply Boats Newpark Shipbuilding and Repair, Inc. 3 Barges Newpark Shipbuilding and Repair, Inc. Galveston 1 Barge Nichols Brothers Boat Builders, Inc. 1 Fire Boat North American Shipbuilding Company 6 Offshore Supply Vessels 1 Well Stimulation Vessel Northrup Grumman Ship Systems, Avondale Operations 1 T-AKRs (Fast Sealift, T-AKR 305) 1 Crude Tanker Northrup Grumman Ship Systems, Ingalls Operations 2 Destroyers (DDG 86, 88) Northwind Marine, Inc. 1 Charter Boat</p>	<p>Orange Shipbuilding Company, Inc. 1 Barge 1 Liftboat 1 Push Boat 5 Tugs Patti Shipyard, Inc. 2 Ocean Tugs Quality Shipyards, LLC 3 Platform Supply Vessels Red Fox Companies 1 Barge Rockland Marine Corporation 1 Barge Rodriguez Boat Builders, Inc. 1 Service Boat 1 Shrimper 1 RO/RO Cargo Vessel 2 Tugs SAFE Boats International 73 Response Boats SeaArk Marine, Inc. 65 Work Boats 2 Dive Rescue Boats 2 Fire Boats 2 Fire/Rescue Boats 40 Aluminum Patrol Boats 4 Patrol/Rescue Boats 8 Spill Response Boats 8 Survey Boats 47 Patrol Boats 2 Work Boats Seacraft Shipyard Corporation 1 Fishing Boat Serodino Inc. 1 Diner Boat 1 Tow Boat Signal International Texas, LP – North Yard 2 Drill Rigs Skipperliner Industries, Inc. 1 Sidewheel Ferry 5 Dinner Cruise Yachts</p>
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VESSELS DELIVERED (October 2001 – December 2002)
(CONTINUED)

Sneed Shipbuilding, Inc., Orange
 2 Tow Boats
 Southeastern New England Shipbuilding Corporation (SENESCO)
 14 Barges
 1 Drydock
 Multiple Steel Pier Floats
 Steiner Shipyard, Inc.
 1 Cargo Barge
 Sundial Marine Tug & Barge Works, Inc.
 1 Grain Barge
 Swiftships Shipbuilders, LLC.
 3 Crew/Supply Boats
 2 Surveillance Vessels
 Textron Marine and Land Systems
 2 Air-Cushioned Landing Craft
 Thoma-Sea Boat Builders, Inc.
 1 Offshore Supply Vessel
 1 Tug
 Trinity Ashland City
 17 Barges
 Trinity Caruthersville
 19 Barges

Trinity Madisonville
 23 Barges
 Trinity Port Allen
 6 Barges
 United States Marine, Inc.
 3 Rigid Inflatable Boats
 1 Monohull Medium Boat
 Verret Shipyard
 1 Towboat
 1 Push Boat
 VT – Halter Lockport
 1 Tugboats
 1 Offshore Supply Vessel
 VT – Halter Marine Gulfport
 3 Barges
 VT – Halter Moss Point
 1 Hydrographic Survey Vessel (T-AGS 65)
 2 ATB Tugs
 4 Fast Patrol Vessels
 2 Ocean ATB Tugs
 VT – Halter Port Bienville
 2 ATB Tank Barges

VT – Halter Moss Point Marine
 2 Tugs
 Washburn & Doughty Assoc., Inc.
 2 Z-Drive Tugs
 1 Offshore Motor Vessel
 William E. Munson Company
 2 Landing Craft
 Winninghoff Boats, Inc.
 1 Work Boat
 1 Fire Boat
 1 Research Vessel
 Workskiff, Inc.
 1 Crew Boat
 4 Dive Boats
 4 Fishing Boats
 9 Harbor Security Boats
 2 Patrol Boats
 4 Research Boats
 6 Utility Boats
 2 Work Boats
 1 Research Vessel
 Zidell Marine Corporation
 2 Grain Barges
 1 Petroleum Barge

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APPENDIX A

STANDARD FORM 17

**FACILITIES AVAILIABLE
FOR THE CONSTRUCTION
OR REPAIR OF SHIPS**

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Standard Form 17 (Rev. 9-96)

DEPARTMENT OF THE NAVY
(NAVSEASYS/SCOM)
& MARITIME ADMINISTRATION
Coordinator for Ship Repair
and Conversion (DOD-DOC)

FACILITIES AVAILABLE FOR THE CONSTRUCTION REPAIR OF SHIPS

Form Approved
OMB No. 0703-0006
Expires Aug 31, 1999

The public reporting burden for this collection of information is estimated to average 4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0703-0006), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.
PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS. RETURN COMPLETED FORM TO THE APPROPRIATE DEPARTMENT OF DEFENSE OFFICE OR MARITIME

DATE

TO: (Complete departmental address)

SHIPYARD AND ADDRESS

INSTRUCTIONS

Forward original copy to appropriate Department of Defense Office or Maritime Administration, Washington, D. C.

BUILDING WAYS (M.L.W.)

NO. OF WAY	LAUNCHING (X one)	DIMENSIONS			MAXIMUM SHIP SIZE (Ton 2,240 lbs.)			DEPTH OF WATER		CONDITION OF WAY	CRANES SERVING WAY			
								OVER WAY END	AT DROP OFF		NO.	TYPE (Plus hook height for bridge cranes)	LIFT CAPACITY (Std. tons)	
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
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	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
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	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	END	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	SIDE	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							
	BASIN	LENGTH	WIDTH	DEPTH	LENGTH O.A.	BEAM	WEIGHT							

PRINCIPAL SHOPS AND BUILDINGS										ALL OTHER SHOPS <i>(List names and dimensions, include mold loft, if any)</i>	
NAME OF SHOP OR BUILDING	DIMENSIONS OF SHOP OR BUILDING	MATERIALS PROCESSED <i>(See Note)</i>	LARGEST EXIT		WEIGHT OF MATERIAL OR NUMBER AND SIZE OF UNITS PRODUCED PER 8 HOURS <i>(See Note)</i>						
			WIDTH	HEIGHT							
FABRICATING											
PLATE											
SHEET METAL											
SUBASSEMBLY											
CARPENTER											
WOODWORKING											
BOAT ASSEMBLY OR MOLDING											
MACHINE											
ELECTRICAL											
ELECTRONIC											
PIPE											
GALVANIZING											
FOUNDRY											
RIGGER											
NOTE: Indicate materials as steel, aluminum, reinforced plastic, wood, plywood, sheet metal, etc.											
SHOP OR YARD CRANES <i>(5 tons or over)</i>										HGT. OF HOOK ABOVE BASE AT OUT REACH	
BRIDGE TYPE					STATIONARY, RAIL OR MOBILE						
CAP. <i>(Std. tons)</i>	MAX. SPAN	HEIGHT OF HOOK	AREA/SHOP SERVICED	TYPE	CAP. <i>(Std. tons)</i>	MAX. REACH	CAPACITY AT REACH	BOOM LENGTH	HEIGHT HINGE		AREA SERVICED

MAJOR ITEMS OF MACHINE TOOLS AND EQUIPMENT (List briefly such of the large items as will indicate the capacities of all important shops in maximum work piece size, e.g., 30' plate bending rolls, 10' plate shears, 400 ton Hydraulic press, 30' plate furnace, engine lathe 36" x 20" b.c., etc.)

STORAGE SPACE (Sq. ft.) **FOR COMPONENTS AND MATERIALS** (Less boat storage) (List dimensions for each area, plus type material stored)

RAW STEEL STORAGE (Sq. ft.)		WELDING AND ASSEMBLY (Sq. ft.)
ACREAGE LEGALLY CONTROLLED		
IN USE	DEVELOPED (Including in use)	TOTAL (Including undeveloped)
EXISTING LOCAL ORDINANCES LIMITING PRODUCTIVE USE		
LIMITATIONS IMPOSED BY PROPERTY ZONING CLASSIFICATION		
YARD LAYOUT - PLEASE FURNISH A PLOT PLAN OF YARD OR PLANT, IF AVAILABLE.		

LOCATION OF PRODUCTION FACILITIES FOR PRODUCTS LISTED IN ITEM 8 OF SF 129			ON WATERFRONT		
EMPLOYMENT	CURRENT	CURRENT NO. SHIFTS	MOBILIZATION - SHIFTS	YES	NO
MANAGEMENT, ADMINISTRATION				<input type="checkbox"/>	<input type="checkbox"/>
PROFESSIONAL, ENGINEERING				<input type="checkbox"/>	<input type="checkbox"/>
PROFESSIONAL, TECHNICAL <i>(All others)</i>				<input type="checkbox"/>	<input type="checkbox"/>
PRODUCTION, SKILLED				<input type="checkbox"/>	<input type="checkbox"/>
PRODUCTION, SEMISKILLED				<input type="checkbox"/>	<input type="checkbox"/>
PRODUCTION, UNSKILLED				<input type="checkbox"/>	<input type="checkbox"/>
NONPRODUCTION				<input type="checkbox"/>	<input type="checkbox"/>
TOTAL					
NUMBER OF PRODUCTION PERSONNEL PRESENTLY ENGAGED IN SHIP AND/OR BOAT CONSTRUCTION (); REPAIR (). APPROXIMATE TOTAL EMPLOYMENT OF ALL AFFILIATED CONCERNS ONLY LISTED IN ITEM 6 OF SF 129 <small>(NOTE: An affiliate is a concern that directly, or indirectly through one or more intermediary controls, or is controlled by, or is under common control with, the reporting firm. Common ownership of stock by individuals does not in itself constitute affiliation.)</small>					
DISTANCE TO NEAREST RAILROAD CONNECTION DISTANCE TO NEAREST AIRPORT - IDENTIFY					
LARGEST CONVEYANCE AVAILABLE AND MAXIMUM DIMENSIONS OF LOAD, FOR OVERLAND TRANSPORTATION OF FINISHED PRODUCTS <i>(Not to exceed limitations imposed by local ordinances)</i>					
NAVIGATIONAL RESTRICTIONS <i>(Indicate all at M.L.W.)</i>					
MINIMUM CHANNEL TO TIDEWATER MINIMUM HORIZONTAL AND VERTICAL BRIDGE CLEARANCES TO TIDEWATER <i>(Identify structures)</i>					
LIMITING LOCK DIMENSIONS TO TIDEWATER <i>(Identify locks)</i>					
PROJECTS UNDER CONSTRUCTION WHICH WILL ALTER NAVIGATIONAL RESTRICTIONS <i>(Specify projects and state effect and estimated completions.)</i>			DESCRIPTION OF TYPES OF WORK NORMALLY SUBCONTRACTED		

PRODUCTION EXPERIENCE (List at least three of the largest and the most complex ships or boats constructed, indicating (1) date completed, (2) hull length, beam, and molded depth, (3) type propulsion unit (fully described), (4) horsepower, (5) electrical and/or electronic installation, (6) special piping features, (7) size and tensile strength of plates, if steel, or type hull material, if other than steel, (8) special annealing, heat treating, or stress relieving problems encountered, if steel, plus, (9) any other important problems resolved.)

(NOTE: If no previous construction experience give detailed description of major conversion or industrial manufacturing work considered comparable to ship or boat construction.)

FLOATING DRYDOCK CHARACTERISTICS SUMMARY

FLOATING DRYDOCK IDENTIFIER	MAXIMUM LENGTH OF PONTOON	MAXIMUM DEPTH OVER BLOCKS	CLEAR WIDTH BETWEEN WINGWALLS	LIFT CAPACITY (TONS)	NORMAL KEEL BLOCK HEIGHT	AVAILABLE ELECTRICAL SERVICE (SHORE POWER TO VESSEL)			REMARKS (Indicate existence of hauling blocks, if end selection can be lowered, and max. length of ship DD can accommodate).
						VOLTS	AMPS	HERTZ	

APPENDIX B

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES

MAJOR U.S. PRIVATE SHIPYARD CLASSIFICATION DEFINITIONS

Active Shipbuilding Yards

The Active Shipbuilding Yards are those privately owned U.S. shipyards/facilities that are open with at least one building position capable of accommodating a vessel 122 meters (400 feet) in length and over, and are currently engaged in the construction of naval ships and/or major oceangoing merchant vessels 122 meters (400 feet) in length and over.

Other Shipyards With Building Positions

Other Shipyards With Building Positions are those privately owned shipyards/facilities that are open with at least one building position capable of accommodating a vessel 122 meters in length and over, and that have not constructed a naval ship or major oceangoing merchant vessel in the past two years. ***The shipyards may not be capable of ship construction without significant capital investments. These shipyards could, however, be used in module ship construction.***

Repair Yards With Drydock Facilities

Repair Yards With Drydock Facilities are those shipyards that have graving docks, floating drydocks, or marine rails capable of handling naval ships and/or major oceangoing merchant vessels 122 meters in length and over. ***These shipyards may also be capable of constructing vessels less than 122 meters in length.***

Topside Repair Yards

Topside Repair Yards are those shipyards that have sufficient berth/pier space, including dolphins, to accommodate a naval ship or major oceangoing merchant vessel ships of 122 meters in length or over. ***These shipyards may also be capable of constructing and/or drydocking vessels less than 122 meters in length.***

GENERAL REQUIREMENTS

The shipyard must own or have in place a long-term lease (1 year or more) on the facility in which they intend to accomplish the work. There must be no dimensional obstructions in the waterway leading to open ocean (i.e., locks, bridges). Water depth in the channel to the facility must be a minimum of 3.7 meters (**at Mean Low Tide {MLT}**).

NOTE

The following criteria were developed to establish the maximum ship size that could be accommodated in each drydock:

For floating drydocks, the maximum ship length is as given by the shipyards. The maximum beam is determined by allowing a 0.6 meter clearance at each side between the ship and wing wall.

For graving docks, the maximum ship length is determined by allowing a 0.6 meter clearance at each end between the ship and the inside of the dock at the floor. The maximum beam was determined by allowing a 0.6 meter clearance on each side between the ship and each side of the dock entrance at the sill, unless the shipyard indicated more clearance is required.

There are several types of floating drydocks and graving docks and, under certain circumstances, additional clearance would be necessary between the ship and the dock body. Permissible ship sizes requiring additional clearance may be determined by simple calculation from the above criteria.

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Active Shipbuilding Yards

Bath Iron Works Corporation 700 Washington Street Bath, ME 04530			<u>1/</u> Construction, repair, and conversion.
	213 X 26 SW	<u>259</u>	
	219 X 34 SW	899	<u>2/</u> 6,492
	219 X 39 SW		
	232 X 40 SW		
	259 X 40 SW		
	366 X 40 SW		
	244 X 40 FD		

Electric Boat Corporation 75 Eastern Point Road Groton, CT 06340-4989			<u>1/</u> Construction of submarines for the U.S. Navy.
	(4) 134 X 10 SW	<u>229</u>	
	91 X 19 SW	1,067	<u>2/</u> 9,791
	174 X 24 LL		
	151 X 20 GD		
	180 X 26 GD		
	183 X 27 GD		

Kvaerner Philadelphia Shipyard, Inc. Philadelphia Naval Business Center Philadelphia, PA 19112-1808			<u>1/</u> New construction.
	(2) 330 X 43 GD	<u>200</u>	
		200	<u>2/</u> 861

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Active Shipbuilding Yards

Northrop Grumman Newport News 4101 Washington Avenue Newport News, VA 23607-2770			<u>1/</u> Construction, repair, and conversion.
	(4) 183 X 12 LL	<u>509</u>	
	139 X 21 GD **	2,972	<u>2/</u> 17,856
	159 X 21 GD **		
	197 X 27 GD **		
	262 X 31 GD **		
	292 X 37 GD *		
	334 X 41 GD *		
	661 X 75 GD *		
	195 X 41 FD		

* Used for construction.

** Used for repair and overhaul.

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Other Shipyards with Building Positions

Atlantic Dry Dock Corporation 8500 Heckscher Drive Jacksonville, FL 32226-2400	137 X 23 SW 76 X 12 SW 189 X 26 FD 137 X 23 MR 76 X 12 MR	<u>310</u> 502	<u>1/</u> Construction, repair, and overhaul of small and medium size vessels. <u>2/</u> 290
			AFDM-7 "Sustain" ex Navy dock

Baltimore Marine Industries, Inc. 600 Shipyard Road Baltimore, MD 21219	(2) 244 X 32 SW 351 X 58 GD 269 X 40 FD	<u>360</u> 1,594	<u>1/</u> Conversion and repair with major shipbuilding capability. <u>2/</u> 462
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Intermarine Savannah 301 N. Lathrop Avenue Savannah, GA 31415	55 X 12 LL 152 X 17 GD * 56 X 12 MR	<u>244</u> 457	<u>1/</u> Construction and repair. <u>2/</u> 136
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* Can accommodate ship up to 366 meters in length.

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Repair Yards with Drydock Facilities

Bayonne Dry Dock & Repair Corporation Brooklyn Navy Yard, Bldg #386 Bayonne, NJ 07002	323 X 42 GD		<u>1/</u> General ship repair with drydocking.
			<u>2/</u> 67

Caddell Dry Dock & Repair Company, Inc. P.O. Box 327 Staten Island, NY 10310	101 X 18 FD 137 X 25 FD 55 X 15 FD 78 X 16 FD 78 X 20 FD 80 X 13 FD	<u>169</u> 770	<u>1/</u> General ship repair.
			<u>2/</u> 168

Colonna's Shipyard, Inc. 400 East Indian River Road Norfolk, VA 23523	195 X 25 FD 104 X 18 MR 110 X 21 MR 56 X 13 MR 64 X 11 MR	<u>274</u> 1,545	<u>1/</u> General ship repair.
			<u>2/</u> 323

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
			Longest Total Linear

SW -- Shipway
GD -- Graving Drydock
FD -- Floating Drydock
MR -- Marine Railway
LL -- Land Level Position
SL -- Syncrolift
TR -- Travel Lift

Lengths are in Meters

EAST COAST

Repair Yards with Drydock Facilities

Detyens Shipyards, Inc., Main Yard 1670 Drydock Avenue, Building 236 North Charleston, SC 29405-2121	178 X 28 GD * 185 X 29 GD * 226 X 32 GD *	640 <u>1,913</u>	1/ General ship repair and conversion. 2/ 432
			* Leased from Charleston Naval Shipyard Redevelopment Association.
Detyens Shipyards, Inc., Wando Division 2383 Hwy 41 Mt. Pleasant, SC 29466	152 X 20 FD	122 <u>545</u>	1/ General ship repair. 2/ 88
Eastern Technical Enterprises, Inc. One Beard Street Brooklyn, NY 11231	221 X 26 GD	183 <u>366</u>	1/ General ship repair. 2/ 26
Economic Development & Industrial Corporation of Boston 43 Hawkins Street Boston, MA 02210	350 X 34 GD	49 <u>49</u>	1/ General ship repair. 2/ 0
GMD Shipyard Corporation Brooklyn Navy Yard, Building 386 Brooklyn, NY 11205	(2) 332 X 43 GD	233 <u>503</u>	1/ General ship repair. 2/ 78

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	Longest Total Linear

Lengths are in Meters

EAST COAST

Repair Yards with Drydock Facilities

Metro Machine Corporation 200 Ligon Street Norfolk, VA 23501	206 X 29 FD	<u>239</u> 885	1/ General ship repair and conversion. 2/ 479
Metro Machine Corporation - Philadelphia Division Philadelphia Naval Business Center Philadelphia, PA 19112	219 X 24 GD 300 X 34 GD	<u>341</u> 1,195	1/ General ship repair and conversion. 2/ 259
Norfolk Shipbuilding & Drydock Corporation, Berkeley 750 West Berkley Avenue Norfolk, VA 23501-2100	305 X 48 FD	<u>442</u> 1,447	1/ Ship repair and conversion. 2/ 976
North Florida Shipyard, Inc. P.O. Box 3255 Jacksonville, FL 32206	122 X 17 FD	<u>290</u> 966	1/ Ship repair and conversion. 2/ 227
SPEEDE Shipyard, LLC 200 Ligon Street Norfolk, VA 23501	302 X 5 FD		1/ Drydock and coating of Panamax beam ships. 2/ 12

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Topside Repair Yards

Associated Naval Architects, Inc. 3400 Shipwright Street Portsmouth, VA 23703	37 X 11 MR 37 X 12 MR 40 X 12 MR 72 X 15 MR	<u>137</u> 439	<u>1/</u> General ship repair. <u>2/</u> 106
Kerney Service Group, Inc. 1601 South Main Street Norfolk, VA 23523-1266		<u>244</u> 366	<u>1/</u> Topside repair. <u>2/</u> 55
Marine Hydraulics International, Inc. 543 East Indian River Road Norfolk, VA 23523		<u>219</u> 829	<u>1/</u> General ship repair. <u>2/</u> 235
Metal Trades, Inc. 1210 Truxtun Avenue, Building 2 North Charleston, SC 29405	23 X 10 TR 23 X 9 MR 63 X 18 MR 91 X 18 MR	<u>320</u> 831	<u>1/</u> General ship repair. <u>2/</u> 200
Moon Engineering Company, Inc. 2 Harper Avenue Portsmouth, VA 23707-0909		<u>244</u> 1,037	<u>1/</u> General ship repair. <u>2/</u> 204

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		Longest Total Linear	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock		
	MR -- Marine Railway		
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Topside Repair Yards

Newport Shipyard Company, LLC 1 Washington Street Newport, RI 02840-1513			<u>1/</u> General ship repair.
	24 X 7 TR	<u>305</u>	
	46 X 12 TR	588	<u>2/</u> 90
	91 X 19 MR		

Norfolk Shiprepair & Drydock Corporation Foot of Claiborne Avenue Norfolk, VA 23504			<u>1/</u> General ship repair.
	136 X 23 MR	<u>183</u>	
	73 X 13 MR	1,106	<u>2/</u> 199

Promet Marine Services Corporation 242 Allens Avenue Providence, RI 02905			<u>1/</u> General ship repair.
	46 X 10 TR	<u>183</u>	
		366	<u>2/</u> 55

Reynolds Shipyard Corporation 200 Edgewater Street Staten Island, NY 10305			<u>1/</u> General ship repair.
		<u>134</u>	
		134	<u>2/</u> 10

Steel Style, Inc. 401 S. Water Street Newburgh, NY 12550			<u>1/</u> General ship repair.
	43 X 15 MR	<u>183</u>	
	91 X 30 MR	335	<u>2/</u> 29

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

EAST COAST

Topside Repair Yards

The General Ship Repair Corporation 1449 Key Highway Baltimore, MD 21230			<u>1/</u> General ship repair.
	30 X 15 LL	<u>146</u>	
	66 X 18 FD	271	<u>2/</u> 71

The Hinckley Company One Little Harbor Landing Portsmouth, RI 02871			<u>1/</u> General ship repair.
	(2) 24 X 5 MR	<u>244</u>	
	40 X 9 MR	488	<u>2/</u> 196

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Active Shipbuilding Yards

Bender Shipbuilding and Repair Company, Inc. 265 South Water Street Mobile, AL 36603	122 X 24 SW (2) 34 X 12 SW 61 X 13 SW 61 X 14 SW (2) 76 X 14 SW 106 X 16 FD 119 X 14 FD 167 X 27 FD 196 X 36 FD	<u>258</u> 1,151	<u>1/</u> Construction, repair, and conversion of ships and small vessels. <u>2/</u> 847
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Northrop Grumman Ship Systems, Avondale Operations Mail Station 91 Avondale, LA 70150-0280	265 X 38 SW * 311 X 53 SW *** (2) 265 X 38 LL ** (2) 311 X 53 LL ** 229 X 35 FD * 305 X 66 FD **	<u>521</u> 1,431	<u>1/</u> Modular ship construction, conversion, and repair. <u>2/</u> 5,519
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- * Upper main yard.
- ** Lower main yard. Can accomodate ship up to 366 meters in length.
- *** Westwego Plant.

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Active Shipbuilding Yards

Northrop Grumman Ship Systems, Ingalls Operations P.O. Box 149 Pascagoula, MS 39568-0149	(5) 259 X 53 LL *	792	<u>1/</u> Construction, repair, and conversion.
	488 X 53 LL *	1,758	<u>2/</u> 10,113
	305 X 53 FD *		
			* West Bank can only launch ships up to 259 X 53 meters. Land Level Positions constrained by launching capability.
VT - Halter Marine Pascagoula 5110 Washington Avenue Pascagoula, MS 39568-1328	160 X 32 SW	274	<u>1/</u> Construction and repair of ships and small vessels.
	229 X 30 SW	762	<u>2/</u> 100

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Other Shipyards with Building Positions

Alabama Shipyard P.O. Box 3201 Mobile, AL 36652	290 X 50 LL	<u>328</u> 642	<u>1/</u> Conversion, repair, and major shipbuilding capability. <u>2/</u> 699
AMFELS, Inc. 20000 Highway 48 Brownsville, TX 78523	335 X 122 LL 183 X 30 FD	<u>610</u> 610	<u>1/</u> Offshore oil rigs with major shipbuilding capability. <u>2/</u> 1,715
Signal International, LLC - East Yard 600 Louise Street Pascagoula, MS 39581	165 X 160 SW 111 X 60 FD	<u>610</u> 610	<u>1/</u> Repair and modification to oil rigs. <u>2/</u> 1,107
Tampa Bay Shipbuilding & Repair Company 1130 McClosky Boulevard Tampa, FL 33605	(2) 227 X 34 GD 273 X 46 GD	<u>259</u> 451	<u>1/</u> Full service conversion and repair facility. <u>2/</u> 315
United Marine Enterprise, Inc., Port Arthur Shipyard P.O. Box 22077 Beaumont, TX 77720	122 X 61 LL	<u>488</u> 488	<u>1/</u> Construction and repair of ships and offshore vessels. <u>2/</u> 121

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Other Shipyards with Building Positions

VT - Halter Moss Point 5801 Elder Ferry Road Moss Point, MS 39562			<u>1/</u> Construction, repair, and conversion.
	110 X 23 LL	<u>140</u>	
	140 X 30 LL	288	<u>2/</u> 212

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	Longest Total Linear

Lengths are in Meters

GULF COAST

Repair Yards with Drydock Facilities

Atlantic Marine - Mobile P.O. Box 3202 Mobile, AL 36652	213 X 26 FD 305 X 49 FD	<u>345</u> 962	<u>1/</u> Ship repair and conversion. <u>2/</u> 215
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Bollinger Gulf Repair, LLC 3900 Jourdan Road New Orleans, LA 70126	152 X 23 SW 91 X 15 SW 133 X 18 FD 134 X 26 FD 229 X 32 FD	<u>549</u> 549	<u>1/</u> Construction and repair of offshore oil vessels and barges. <u>2/</u> 115
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Bollinger Houston, L.P. 201 Broadway Street Houston, TX 77012	213 X 27 SW 122 X 24 FD * 37 X 12 FD 67 X 24 FD	<u>152</u> 335	<u>1/</u> General ship repair. <u>2/</u> 84 * Two drydocks are combined.
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Gulf Marine Repair Corporation 1200 Sertoma Drive Tampa, FL 33605	168 X 24 FD 61 X 15 FD	<u>366</u> 747	<u>1/</u> Ship repair and overhaul. <u>2/</u> 131
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MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Repair Yards with Drydock Facilities

International Ship Repair & Marine Services, Inc. 1616 Penny Street Tampa, FL 33605-6058			<u>1/</u> General ship repair.
	145 X 29 FD	<u>549</u>	
	198 X 29 FD	1,158	<u>2/</u> 212
	229 X 29 FD		
	76 X 13 FD		
	76 X 29 FD		
	76 X 32 FD		
Signal International Texas, LP - D.O.C. Yard 2500 Martin Luther King Boulevard Port Arthur, TX 77640			<u>1/</u> Repair of offshore oil rigs.
	240 X 37 FD	<u>206</u>	
		206	<u>2/</u> 113

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Topside Repair Yards

Boland Marine & Mfg. Company, Inc. P.O. Box 53287 New Orleans, LA 70153		<u>305</u> 305	<u>1/</u> General ship repair and conversion. <u>2/</u> 78
Bollinger Algiers, LLC 434 Powder Street New Orleans, LA 70114	107 X 20 FD 91 X 20 FD	<u>122</u> 122	<u>1/</u> Repairs towboats, barges, and vessels to 76 meters. <u>2/</u> 24
Bollinger Calcasieu, LLC 8086 Global Drive Sulphur, LA 70665	26 X 9 SW 76 X 23 SW (2) 91 X 15 FD 91 X 16 FD 63 X 23 MR	<u>137</u> 408	<u>1/</u> Repair and drydocking of small vessels. <u>2/</u> 80
Bollinger Lockport, LLC 8365 Hwy. 308 South Lockport, LA 70374	(2) 76 X 30 SW 20 X 5 MR 20 X 7 MR 27 X 9 MR 37 X 10 MR 49 X 12 MR	<u>488</u> 488	<u>1/</u> General ship repair. <u>2/</u> 808

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Topside Repair Yards

Bollinger Texas City, L.P. 2201 Dock Road, Dock 42 Texas City, TX 77590	110 X 24 FD 55 X 24 FD 67 X 16 FD 67 X 24 FD	<u>168</u> 168	<u>1/</u> General ship repair. <u>2/</u> 78
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Buck Kreihs Company, Inc. P.O. Box 53305 New Orleans, LA 70153		<u>1,128</u> 1,128	<u>1/</u> Ship repair. <u>2/</u> 127
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CBH Services, Inc. 200 Pier Pond Orange, TX 77630		<u>229</u> 229	<u>1/</u> General ship repair. <u>2/</u> 35
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Dixie Machine Welding & Metal Works, Inc. 1031 Annunciation Street New Orleans, LA 70130		<u>274</u> 274	<u>1/</u> General ship repair. <u>2/</u> 36
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Gulf Copper & Manufacturing Corporation P.O. Box 547 Port Arthur, TX 77640	76 X 18 SW	<u>262</u> 524	<u>1/</u> General ship repair. <u>2/</u> 220
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MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Topside Repair Yards

Hendry Corporation 5107 S. Westshore Boulevard Tampa, FL 33611	72 X 12 FD	<u>305</u> 305	<u>1/</u> General ship repair. <u>2/</u> 55
Houston Ship Repair, Inc., Brady Island Ship Repair Facility 8510 Cypress Street Houston, TX 77012		<u>224</u> 224	<u>1/</u> General ship repair and conversion. <u>2/</u> 75
Newpark Shipbuilding & Repair, Inc., Brady Island Inc. 8502 Cypress Street Houston, TX 77012	46 X 22 FD 55 X 22 FD 68 X 26 FD 61 X 15 MR 91 X 21 MR	<u>305</u> 671	<u>1/</u> General ship repair and small vessel construction and repair. <u>2/</u> 245
Newpark Shipbuilding & Repair, Inc., Pasadena 1600 North Witter Pasadena, TX 77506	36 X 15 FD 49 X 20 FD 61 X 22 FD 68 X 20 FD	<u>305</u> 777	<u>1/</u> General ship repair and small vessel construction and repair. <u>2/</u> 115

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GULF COAST

Topside Repair Yards

Newpark Shipbuilding & Repair, Inc., Pelican Island, Inc. 2920 Newpark Road Galveston, TX 77554	116 X 32 FD	343	<u>1/</u> General ship repair and small vessel construction and repair.
	73 X 35 FD	998	
			<u>2/</u> 338

Orange Shipbuilding Company, Inc. 710 Market Street Orange, TX 77631-1670	91 X 23 SW	183	<u>1/</u> General ship repair and small vessel construction.
		259	
			<u>2/</u> 106

Sabine Shipyard, Inc. Box 405 Sabine Pass, TX 77655		163	<u>1/</u> Repairs offshore oil rigs.
		227	
			<u>2/</u> 24

Signal International Texas, LP - Orange Yard 91 West Front Street Orange, TX 77630		671	<u>1/</u> Repair of offshore oil rigs.
		671	
			<u>2/</u> 88

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

WEST COAST

Active Shipbuilding Yards

National Steel and Shipbuilding Company			<u>1/</u> Construction, repair, and conversion.
P.O. Box 85278			
San Diego, CA 92186-5278			
	(2) 290 X 34 SW	<u>305</u>	
	303 X 51 GD	2,210	<u>2/</u> 3,183
	290 X 42 FD		

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

WEST COAST

Other Shipyards with Building Positions

Gunderson, Inc. 4350 Northwest Front Avenue Portland, OR 97210	223 X 32 SW	<u>335</u> 335	<u>1/</u> Construction, repair, and conversion. <u>2/</u> 200
Todd Pacific Shipyards Corporation 1801 16th Avenue, S.W. Seattle, WA 98134	(2) 137 X 18 SW * 128 X 19 FD 198 X 26 FD 287 X 41 FD	<u>427</u> 1,834	<u>1/</u> Repair and conversion with major shipbuilding capability. <u>2/</u> 815

* Maximum ship size is 137 X 29 meters using two 137 X 18 meter Shipways (SW's).

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

WEST COAST

Repair Yards with Drydock Facilities

Cascade General, Inc. 5555 North Channel Avenue, Bldg 71 Portland, OR 97217	182 X 26 FD 247 X 34 FD	<u>427</u> 4,002	<u>1/</u> General ship repair. <u>2/</u> 475
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Lake Union Drydock Company 1515 Fairview Avenue, East Seattle, WA 98102-3791	122 X 17 FD 61 X 14 FD	<u>381</u> 750	<u>1/</u> General ship repair and conversion. <u>2/</u> 129
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MAR COM, Inc. 8970 N. Bradford Street Portland, OR 97203	91 X 15 SW 91 X 23 SW 126 X 18 FD	<u>122</u> 174	<u>1/</u> General ship repair and new construction. <u>2/</u> 89
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Puglia Engineering, Inc. dba Fairhaven Shipyard 201 Harris Street Bellingham, WA 98225-7018	122 X 17 FD 37 X 11 MR	<u>213</u> 351	<u>1/</u> Ship and vessel repair. <u>2/</u> 47
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San Francisco Drydock, Inc. Foot of 20th Street San Francisco, CA 94120	186 X 26 FD 290 X 44 FD	<u>250</u> 809	<u>1/</u> Ship repair and overhaul. <u>2/</u> 179
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MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

WEST COAST

Repair Yards with Drydock Facilities

Southwest Marine, Inc., San Diego Division Foot of Sampson Street San Diego, CA 92170-3308	127 X 19 FD 200 X 31 FD	<u>213</u> 604	<u>1/</u> Ship repair, overhaul, and conversion. <u>2/</u> 1,100
			Graving dock at Naval Station can be leased as required.

Southwest Marine, Inc., San Pedro Division P.O. Box 3600 Terminal Island, CA 90731-7331	122 X 17 FD 209 X 27 FD	<u>201</u> 769	<u>1/</u> Ship repair, overhaul, and conversion. <u>2/</u> 85
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MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers Usable Length	Remarks
			Longest Total Linear

SW -- Shipway
GD -- Graving Drydock
FD -- Floating Drydock
MR -- Marine Railway
LL -- Land Level Position
SL -- Syncrolift
TR -- Travel Lift

Lengths are in Meters

WEST COAST

Topside Repair Yards

Bay Ship & Yacht Company, Alameda 2900 Main Street Alameda, CA 94501	119 X 17 FD 49 X 9 FD	<u>213</u> 503	<u>1/</u> General ship repair. <u>2/</u> 159
Bay Ship & Yacht Company, Richmond 2900 Main Street Alameda, CA 94501	24 X 7 TR	<u>488</u> 892	<u>1/</u> General ship repair. <u>2/</u> 22
Continental Maritime of San Diego, Inc. 1995 Bay Front Street San Diego, CA 92113-2122		<u>213</u> 1,082	<u>1/</u> General ship repair. <u>2/</u> 613 Graving and floating docks at Naval Station can be leased as required.
Dakota Creek Industries, Inc. P.O. Box 218 Anacortes, WA 98221	107 X 22 LL 107 X 24 FD 107 X 22 SL	<u>305</u> 477	<u>1/</u> General ship repair, steel and aluminum vessel construction to 106 meters. <u>2/</u> 73
Everett Shipyard, Inc. 1016 14th Street Everett, WA 98201	40 X 11 MR	<u>335</u> 640	<u>1/</u> Topside repair work and small boat construction. <u>2/</u> 46

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

WEST COAST

Topside Repair Yards

Foss Shipyard dba Foss Maritime Company 660 West Ewing Street Seattle, WA 98119	59 X 13 FD 67 X 18 FD	<u>146</u> 715	<u>1/</u> Vessel repair, alteration, and overhaul. <u>2/</u> 104
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Pacific Fishermen, Inc. 5351 24th Avenue, N.W. Seattle, WA 98107	37 X 7 MR 49 X 10 MR 4 X 11 SL	<u>152</u> 152	<u>1/</u> General repair of large vessels. <u>2/</u> 36
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San Pedro Boat Works Berth 44, Outer Harbor San Pedro, CA 90731	(2) 11 X 9 SW 12 X 8 SW 14 X 8 SW 18 X 8 SW 20 X 8 SW 23 X 8 SW (7) 27 X 8 SW 61 X 12 SW 61 X 12 FD	<u>189</u> 189	<u>1/</u> General ship repair. <u>2/</u> 27
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MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GREAT LAKES

Other Shipyards with Building Positions

(Maximum ship size that can exit the St. Lawrence Seaway locks is 222 meters X 24 meters)

Bay Shipbuilding Company 605 North Third Avenue Sturgeon Bay, WI 54235-0830			<u>1/</u> Ship construction, repair, and conversion.
	223 X 32 SW	305	
	305 X 32 GD	<u>2,163</u>	<u>2/</u> 502
	55 X 12 GD		
	195 X 21 FD		

Fraser Shipyards, Inc. Third Street & Clough Avenue Superior, WI 54880			<u>1/</u> Construction, repair, and conversion.
	189 X 18 GD	274	
	252 X 25 GD	<u>527</u>	<u>2/</u> 41

Marinette Marine Corporation 1600 Ely Street Marinette, WI 54143-2434			<u>1/</u> Construction and repair of small vessels.
	(2) 122 X 24 LL	651	
	46 X 15 LL	<u>651</u>	<u>2/</u> 924
	(3) 76 X 15 LL		
	76 X 20 LL		
	37 X 9 SL		

Metro Machine Corporation - Industrial Products Division Foot of Holland Street Erie, PA 16507			<u>1/</u> Construction, repair, and conversion.
	305 X 32 GD	366	
		<u>860</u>	<u>2/</u> 38

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		<u>Usable Length</u>	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GREAT LAKES

Repair Yards with Drydock Facilities

(Maximum ship size that can exit the St. Lawrence Seaway locks is 222 meters X 24 meters)

Toledo Ship Repair Company, Toledo Shipyard 2245 Front Street Toledo, OH 43605-1231			<u>1/</u> Ship repair and conversion.
	152 X 21 GD	<u>183</u>	
	223 X 22 GD	305	<u>2/</u> 150

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	Maximum Ship Size (LOA X Beam)	Berths/Piers	Remarks
		Usable Length	
	SW -- Shipway		<u>1/</u> Type of work usually engaged in
	GD -- Graving Drydock		<u>2/</u> Employment - Mid 2002
	FD -- Floating Drydock	Longest	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

GREAT LAKES

Topside Repair Yards

(Maximum ship size that can exit the St. Lawrence Seaway locks is 222 meters X 24 meters)

H. Hansen Industries 2824 N. Summit Street Toledo, OH 43611		<u>226</u> 451	<u>1/</u> General ship repair.
			<u>2/</u> 55
Nicholson Terminal & Dock Company P.O. Box 18066 River Rouge, MI 48218	69 X 16 FD	<u>701</u> 1,097	<u>1/</u> General ship repair.
			<u>2/</u> 65

MAJOR U.S. PRIVATE SHIPBUILDING AND REPAIR FACILITIES
(Vessels 122 Meters in Length and Over)

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

NON-CONUS

Repair Yards with Drydock Facilities

Alaska Ship & Drydock, Inc. 3801 Tongass Avenue Ketchikan, AK 99901	137 X 32 FD	<u>366</u> 366	<u>1/</u> Ship and vessel repair. <u>2/</u> 50
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Honolulu Shipyard, Inc. P.O. Box 30989 Honolulu, HI 96820	122 X 32 FD 55 X 24 FD	<u>213</u> 213	<u>1/</u> General ship repair and overhaul. <u>2/</u> 287
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Marisco, Ltd. 91-607 Malakole Road Kapolei, HI 96707	116 X 16 FD 190 X 28 FD	<u>34</u> 34	<u>1/</u> General ship repair. <u>2/</u> 110
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APPENDIX C

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS CLASSIFICATION DEFINITIONS

Boatbuilding and Repair Companies

Boatbuilding and Repair Companies are those privately owned shipyards capable of building and/or repairing commercial and military vessels less than 122 meters (400 feet) in length.

Vessel Repair Companies

Vessel Repair Companies are those facilities that only provide repair services, either repair with drydocking or topside repair, to vessels less than 122 meters (400 feet). These companies must have their own waterfront facilities.

Fabricators / Manufacturers of Maritime Vessels

Fabricators / Manufacturers of Maritime Vessels are companies that build small commercial crafts less than 76 meters (250 feet).

Barge Building and Repair Companies

Barge Building and Repair Companies are companies that build or repair barges.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Boatbuilding and Repair Companies

EAST COAST

Chesapeake Shipbuilding Corporation 710 Fitzwater Street Salisbury, MD 21801	Construction of small excursion and passenger vessels.
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Gladding-Hearn Shipbuilding One Riverside Avenue Somerset, MA 02726-0300	Construction of small vessels including catamaran ferries.
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61 X 15 SW	<u>38</u>
	38

Yank Marine Mosquito Landing Road Tuckahoe, NJ 08250	Builds and repairs small vessels.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Boatbuilding and Repair Companies

GULF COAST

A & B Industries P.O. Box 1137 Amelia, LA 70340	(2) 30 X 9 SW 56 X 18 SW 30 X 17 FD 43 X 17 FD	70 <hr/> 177	Small vessel construction and repair.
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Allied Shipyard, Inc. P.O. Box 1240 La Rose, LA 70373	(2) 22 X 8 SW 57 X 14 FD 64 X 14 FD 64 X 18 FD (2) 52 X 12 MR	55 <hr/> 258	Construction, repair, and conversion of small vessels.
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Austal USA P.O. Box 1049 Mobile, AL 36633			Builds ferry catamarans and small boats.
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Bollinger Gretna, LLC 4640 Peters Road Harvey, LA 70058	152 X 29 GD 98 X 17 GD 99 X 16 GD 67 X 17 FD	396 <hr/> 743	Construction of small vessels.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Boatbuilding and Repair Companies

GULF COAST

Bollinger Larose, LLC 1515 Hwy. 24 Larose, LA 70373			Repair of small marine vessels.
	107 X 15 FD	<u>229</u>	
	122 X 21 FD	<u>527</u>	
	(2) 76 X 12 FD		
	101 X 24 MR		

Bollinger Marine Fabricators, LLC 816 Bollinger Lane Amelia, LA 70340			Construction and repair of small vessels.
	91 X 46 SW	<u>152</u>	
		<u>777</u>	

Bollinger Morgan City, LLC 806 Bollinger Lane Amelia, LA 70340			Repair of small boats.
	122 X 30 FD		
	55 X 18 FD		
	64 X 21 FD		

Bollinger Quick Repair, LLC 615 Destrehan Avenue Harvey, LA 70058			Repair of small boats.
	(2) 46 X 18 FD		
	(2) 76 X 18 FD		
	(2) 76 X 22 FD		

Breux Brothers P.O. Box 550 Loreauville, LA 70552-0550			Construction of small boats.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Boatbuilding and Repair Companies

GULF COAST

Breaux's Bay Craft, Inc. P.O. Box 306 Loreauville, LA 70552	Construction of small boats.
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C & G Boat Works 8685 E. Davenport Street La Batre, AL 36509-2115	Boat building and repair.
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Conrad Shipyard, Inc. P.O. Box 790 Morgan City, LA 70381	Construction of small vessels.		
46 X 15 SW (2) 73 X 22 SW (2) 46 X 12 FD (2) 76 X 17 FD 85 X 49 FD 91 X 24 FD	<table style="margin-left: auto; margin-right: auto;"> <tr><td style="border-top: 1px solid black;">610</td></tr> <tr><td>774</td></tr> </table>	610	774
610			
774			

Crumpler's Shipbuilding Company, Inc. P.O. Box 2067 Orange, TX 77631	Boat building and refurbishing.		
46 X 14 FD	<table style="margin-left: auto; margin-right: auto;"> <tr><td style="border-top: 1px solid black;">70</td></tr> <tr><td>70</td></tr> </table>	70	70
70			
70			

Eastern Shipbuilding Group P.O. Box 960 Panama City, FL 32402	Construction and repair of small vessels.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Boatbuilding and Repair Companies

GULF COAST

Freeport Shipbuilding Group P.O. Box 49 Freeport, FL 32439-0049	91 X 23 LL 30 X 9 MR		Construction of passenger vessels and work boats.
GEO Shipyards P.O. Box 9622 New Iberia, LA 70562			Construction of small vessels.
Glendale Boat Works, Inc. 18300 Market Street Channelview, TX 77530	27 X 15 GD		Towboat construction and repair.
Horizon Shipbuilding, Inc. 13980 Shell Road Bayou La Batre, AL 36509	61 X 16 SW 47 X 9 MR	<u>213</u> 213	Construction and repair of marine vessels.
Houma Fabricators - Shipyard De Hoop of Houma, Inc. 1100 Oak Street Houma, LA 70363	91 X 23 SW	<u>107</u> 107	Construction of small vessels.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		
			Lengths are in Meters

Boatbuilding and Repair Companies

GULF COAST

Intracoastal City Drydock & Shipbuilding, Inc. 18938 Live Oak Road Abbeville, LA 70510	Repairs small boats.
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Kennedy Ship and Repair 6200 Harborside Drive Galveston, TX 77554-2841	Repair, retrofit, and construction of boats and barges.
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88 X 24 GD

Kody Marine, Inc. 600 Peters Road Harvey, LA 70058-1705	Builds small boats.
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LEEVAC Industries, LLC P.O. Box 1190 Jennings, LA 70546	Construction, repair, and conversion of small boats.
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(2) 128 X 27 SW	305
147 X 23 GD	488
91 X 18 FD	

Mississippi Marine Corporation 2219 Harbor Front Road Greenville, MS 38702-0539	Construction and repair of inland and offshore marine vessels.
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46 X 15 SW
 76 X 30 SW
 122 X 18 FD
 122 X 19 FD
 61 X 21 FD
 91 X 17 FD
 99 X 20 FD

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Boatbuilding and Repair Companies

GULF COAST

North American Shipbuilding Company P.O. Drawer 580 Larose, LA 70373	Construction of small vessels.
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Northrop Grumman Ship Systems, Gulfport Operations 13303 Industrial Seaway Road Gulfport, MS 39503	Construction of small vessels, steel, and composite material.			
	<table style="margin-left: auto; margin-right: 0;"> <tr><td style="text-align: center;">76</td></tr> <tr><td style="text-align: center;">-----</td></tr> <tr><td style="text-align: center;">76</td></tr> </table>	76	-----	76
76				

76				

Patti Shipyard, Inc. P.O. Box 271 Pensacola, FL 32507-1374	Construction of vessels to 107 meters.
107 X 17 SW	

Quality Shipyards, LLC P.O. Box 1817 Houma, LA 70361-1817	Construction, repair, and conversion of boats and barges.			
168 X 30 SW (2) 58 X 20 FD 70 X 17 FD 76 X 24 FD	<table style="margin-left: auto; margin-right: 0;"> <tr><td style="text-align: center;">374</td></tr> <tr><td style="text-align: center;">-----</td></tr> <tr><td style="text-align: center;">695</td></tr> </table>	374	-----	695
374				

695				

R & R Marine Maintenance P.O. Box 1660 Groves, TX 77619	Small vessel repair and construction.
61 X 26 FD	

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

Boatbuilding and Repair Companies

GULF COAST

Rodriguez Boat Builders, Inc. P.O. Box 842 Bayou La Batre, AL 36509	27 X 3 SW	$\frac{6}{6}$	Construction of small vessels.
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Sneed Shipbuilding, Inc., Channelview 17112 Market Street Channelview, TX 77530	FD 31 X 17 FD		Construction and repair of small vessels.
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Sneed Shipbuilding, Inc., Orange 2011 Dupont Drive Orange, TX 77630-7315	37 X 17 FD	$\frac{46}{137}$	Construction and repair of small vessels.
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Sun State Marine Services, Inc. P.O. Box 1167, Reynolds Industrial Park Greencove, FL 32043			Construction and repair of vessels to 91 meters.
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Williamson Boat Works Route 1 Box 81 Riviera, TX 78379			Repair of small boats.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

Boatbuilding and Repair Companies

WEST COAST

Al Larson Boat Shop 1046 South Seaside Avenue Terminal Island, CA 90731	34 X 8 SW 37 X 8 SW 40 X 10 SW 55 X 20 SW 76 X 12 FD	110 <hr style="width: 50px; margin: 0 auto;"/> 387	Construction and repair of small vessels.
MARCO Shipyard, Seattle 2300 W. Commodore Way Seattle, WA 98199	33 X 9 SW 61 X 13 SW 67 X 16 SW 37 X 11 FD 67 X 16 FD 33 X 9 SL	49 <hr style="width: 50px; margin: 0 auto;"/> 244	Construction and repair of vessels to 76 meters.
Marine Industries Northwest, Inc. P.O. Box 1275 Tacoma, WA 98401-1275	119 X 16 FD 61 X 15 MR	110 <hr style="width: 50px; margin: 0 auto;"/> 171	Repair and conversion of small boats.
Nichols Brothers Boat Builders, Inc. P.O. Box 580 Freeland, WA 98249			Boat construction and repair.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

Boatbuilding and Repair Companies

WEST COAST

Northlake Shipyard, Inc. 1441 North Northlake Way Seattle, WA 98103	58 X 12 FD 85 X 12 FD	Repair of small vessels.
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Southern Oregon Marine, Inc. (SOMAR) 155 East Market Avenue Coos Bay, OR 97420	107 X 30 SW 61 X 13 FD	Construction and repair of small vessels.
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William E. Munson Company 17183 Bennett Road Mt. Vernon, WA 98273	Builds aluminum work boats to 15 meters.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Boatbuilding and Repair Companies

INLAND

Marine Builders, Inc. 208 Church Street Utica, IN 47130	46 X 9 SW	Construction of small vessels.
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National Maintenance & Repair, Inc. Foot of Hawthorne Street Hartford, IL 62048-0038	18 X 16 FD 49 X 16 FD 61 X 16 FD 61 X 17 FD	Builds and repair small vessels.
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SeaArk Marine, Inc. P.O. Box 210 Monticello, AR 71655		Builds aluminum boats in the 5-20 meter range.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
			<u>Usable Length</u>
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		Lengths are in Meters
	TR -- Travel Lift		

Boatbuilding and Repair Companies

NON-CONUS

Seward Ship's Drydock, Inc. P.O. Box 944 Seward, AK 99664			Conversion and repair of small vessels.
	107 X 24 LL	<u>168</u>	
	(2) 55 X 24 LL	251	
	40 X TR		
	107 X 24 FD		
	107 X 23 SL		

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

EAST COAST

Anfrank Metal Fabricating Ind., Inc. The Brooklyn Navy Yard Brooklyn, NY 11205			General ship repair.
B & A Marine Company, Inc. 75 Huntington Street Brooklyn, NY 11231		<u>229</u> 229	General ship repair.
Davis Boat Works, Inc. 99 Jefferson Avenue Newport News, VA 23607	43 X 11 TR		Repair and conversion of small boats and vessels.
Lyon Shipyard, Inc. Foot of Brown Avenue Norfolk, VA 23501	91 X 23 FD 61 X 11 MR	<u>107</u> 555	General ship repair.
May Ship Repair Contracting Corporation 3075 Richmond Terrace Staten Island, NY 10303	122 X FD 152 X FD		General ship repair.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Vessel Repair Companies

EAST COAST

Thames Shipyards & Repair Company, Inc.
Two Ferry Street
New London, CT 06320

General ship repair.

107 X 30 FD	<u>122</u>
49 X 17 FD	198

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Vessel Repair Companies

GULF COAST

Acadian Shipyard, Inc. Bourg-LaRose Highway Bourg, LA 70343			Repairs small boats.
	55 X 24 FD 91 X 17 MR		
Berwick Shipyard Corporation Box 168 Berwick, LA 70342			Drydocking and repair of commercial vessels up to 76 meters.
Bollinger Amelia Repair, LLC 606 Ford Industrial Road Amelia, LA 70340	37 X 10 FD (2) 61 X 20 FD	<u>91</u> 183	Repair with drydocking of small vessels.
Bollinger Fourchon, LLC 106 Norman Doucet Drive Golden Meadow, LA 70357		<u>91</u> 91	General ship repair.
Border Shipyards, Inc. HC 70 Box 5 Brownsville, TX 78521			Repairs shrimp boats.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

GULF COAST

Burton Shipyards, Inc. P.O. Box 278 Bridge City, TX 77611	49 X 15 FD (2) 49 X 17 FD	Repairs tugs, barges, and offshore vessels.
Henry Marine Service, Inc. P.O. Box 7650 Mobile, AL 36577	(2) 59 X 11 FD	Topside repair to push boats.
Hudson Drydocks, Inc. P.O. Box 1781 Morgan City, LA 70381	67 X 28 FD	Repair of small vessels.
Kiva Construction & Engineering, Inc. P.O. Drawer 40 Anahuac, TX 77514		Maintains their own fleet of tug boats.
Kremer Marine, Inc. 1408 Cowan Road Gulfport, MS 39507		Repairs vessels up to 20 meters.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

GULF COAST

LA Dock Company, Baton Rouge Shipyard P.O. Drawer 770 Port Allen, LA 70767	53 X 11 FD 59 X 11 FD	Repair of small vessels.
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Ocean Technical Services, Inc. 1140 Peters Road Harvey, LA 70058	179 <hr style="width: 50px; margin: 0 auto;"/> 179	Repair of small boats.
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R & R Marine Fabrication & Drydock 5700 Proctor Street Extension Port Arthur, TX 77642	76 X 24 FD	Topside marine repair.
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R & R Marine Fabrication and Drydock, North Yard 7200 Highway 87 East Port Arthur, TX 77642	457 <hr style="width: 50px; margin: 0 auto;"/> 457	Topside marine repair.
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Seacraft Shipyard Corporation P.O. Drawer 1550 Amelia, LA 70340-1550	46 X 9 TR 56 X 15 FD	Repair/conversion of small boats and ferries.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

GULF COAST

Southwest Marine, Inc., Ingleside Division S Highway 1069 Ingleside, TX 78362	Repair of small vessels.
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Tri-Kat Marine, Inc. 1408 Cowan Road Gulfport, MS 39507	Repairs small boats.
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Violet Dock Port, Inc. 6800 St. Bernard Highway Violet, LA 70092	Vessel lay-up.		
	<table border="0"> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">610</td> </tr> <tr> <td>1,798</td> </tr> </table>	610	1,798
610			
1,798			

Zimco Marine, Inc. 400 Washington Street Port Isabel, TX 78578	Repairs small boats.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

WEST COAST

Astoria Marine Construction Company 92134 Front Road Astoria, OR 97103	15 X 5 MR 24 X MR 61 X 10 MR 91 X 10 MR	Repair of small vessels.
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Duwamish Shipyards, Inc. 5658 West Marginal Way, S.W. Seattle, WA 98106	(2) 121 X 29 GD 41 X 10 FD 61 X 13 FD	Ship repair, maintenance, and conversion. <table style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: right;">56</td></tr> <tr><td style="text-align: right; border-top: 1px solid black;">193</td></tr> </table>	56	193
56				
193				

Stone Boat Yard, Inc. 2517 Blanding Avenue Alameda, CA 94501	21 X 6 TR 50 X 11 MR	Repair of small boats. <table style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: right;">274</td></tr> <tr><td style="text-align: right; border-top: 1px solid black;">320</td></tr> </table>	274	320
274				
320				

Ventura Harbor Boatyard, Inc. 1415 Spinnaker Drive Ventura, CA 93001-4339	17 X 5 TR 40 X 9 TR	Boat maintenance and repair. <table style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: right;">55</td></tr> <tr><td style="text-align: right; border-top: 1px solid black;">145</td></tr> </table>	55	145
55				
145				

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

GREAT LAKES

Vinette Company
 1212 19th Avenue North
 Escanaba, MI 49829

18 X 5 TR
 24 X 7 TR

Repair of small vessels to
 36 meters.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

INLAND

Cleveland Ship Repair Company 1874 Columbus Road - Rear Columbus, OH 44113-2411	Topside and voyage repair work.
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Great Lakes Towing Shipyards 1800 Terminal Tower Cleveland, OH 44113	Repair of small vessels.
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Hartley Marine Corporation, dba Walker Boat Yard, Inc P.O. Box 1400 Paducah, KY 42002-1400	Repair and drydocking of towboats and barges.
52 X 17 FD 61 X 16 FD 64 X 16 FD 70 X 19 FD 88 X 25 FD	

James Marine, Inc. P.O. Box 2305 Paducah, KY 42002-2305	Repair of small vessels.
15 X 14 FD 34 X 17 FD 49 X 17 FD 58 X 21 FD (2) 61 X 17 FD 61 X 19 FD 61 X 19 FD	

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
Shipyards Name and Address	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		Lengths are in Meters
	TR -- Travel Lift		

Vessel Repair Companies

INLAND

Missouri Drydock & Repair Company P.O. Box 700 Cape Girardeau, MO 63701	(2) 76 X 16 FD	Repair of inland river boats.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Vessel Repair Companies

NON-CONUS

Honolulu Marine, Inc. 123 Ahui Street Honolulu, HI 96813	37 X 10 MR	$\frac{61}{61}$	Repair and construction of small boats.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

EAST COAST

Blount-Barker Shipbuilding Corporation 461 Water Street Warren, RI 02885	69 X 15 SW	$\frac{67}{165}$	Designs and builds small vessels to 69 meters.
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Boston Whaler, Inc. 4121 South U.S. Highway One Edgewater, FL 32141-7221			Builds fiberglass boats up to 10 meters in length and fishing vessels 4 meters - 9 meters.
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Derecktor Shipyards Connecticut 837 Seaview Avenue Bridgeport, CT 06607-1607	TR		Builds small boats up to 91 meters.
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Derecktor Shipyards New York 311 East Boston Post Road Mamaroneck, NY 10543	40 X 9 LL 61 X 15 LL	$\frac{48}{191}$	New construction and repair of vessels up to 46 meters.
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Ellicott International 1611 Bush Street Baltimore, MD 21230			Builds small dredges.
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H & H Marine, Inc. U.S. Route 1 Steuben, ME 04680			Builds fiberglass lobster boats.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Fabricators/Manufacturers of Maritime Vessels

EAST COAST

Muller Boat Works, Inc. 2214 E. 69th Street Brooklyn, NY 11234	Small boat construction.
--	--------------------------

Patriot Marine Fabricating 24 Bay Parkway Waretown, NJ 08758	Builds aluminum boats to 12 meters.
--	-------------------------------------

Stevens Marine Services, Inc. 4170 Hwy 165 Yorges Island, SC 29448	Repair of small vessels and barge construction.								
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding-right: 20px;">TR</td> <td style="border-bottom: 1px solid black; padding-right: 20px;">107</td> </tr> <tr> <td>37 X 10 MR</td> <td>168</td> </tr> <tr> <td>55 X 14 MR</td> <td></td> </tr> <tr> <td>76 X 24 MR</td> <td></td> </tr> </table>	TR	107	37 X 10 MR	168	55 X 14 MR		76 X 24 MR	
TR	107								
37 X 10 MR	168								
55 X 14 MR									
76 X 24 MR									

Thomas Marine, Inc. 37 Bransford Street Patchogue, NY 11772	Builds aluminum work boats to 15 meters.
---	--

Washburn & Doughty Assoc., Inc. P.O. Box 226 East Boothbay, ME 04544	Builders of aluminum and steel vessels to 61 meters.				
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding-right: 20px;">29 X 10 SW</td> <td></td> </tr> <tr> <td>61 X 12 SW</td> <td></td> </tr> </table>	29 X 10 SW		61 X 12 SW	
29 X 10 SW					
61 X 12 SW					

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

EAST COAST

Winninghoff Boats, Inc.
Warehouse Lane
Rowley, MA 01969

Builds small aluminum boats.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Aker Gulf Marine FM1069 South Aransas, TX 78335	Fabricator of offshore oil/gas rigs.
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Boconco Shipyards 14530 Shell Belt Road Bayou La Batre, AL 36509	Builds small utility boats.
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Corinthian Catamarans, Inc 1065 Island Avenue Tarpon Springs, FL 34689-6917	Builds catamarans passenger, cruise and dive boats.
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Farmer's Marine Copper Works, Inc. P.O. Box 748 Galveston, TX 77553	Fabrication for oil rigs.
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Gulf County Shipbuilding 511 Old Dynamite Dock Road Port St. Joe, FL 32456-6365	Small boat construction.
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Gulf Craft, Inc. 3904 Highway 182 Patterson, LA 70392	Builds small boats.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Harrison Bros. Dry Dock, Inc. P.O. Box 1843 Mobile, AL 36633-1843	40 X 11 FD 50 X 24 FD	<u>168</u> 395	Builder of small boats and general vessel repair.
Hope Services, Inc. P.O. Box 9157 Houma, LA 70361			Builds OSVs, tugs, and boats to 46 meters.
Inland Boat Works 2842 E. Roundbunch Road Orange, TX 77630			Construction of small boats and barges.
Island Boats, Inc. 6806 Highway 90 East New Iberia, LA 70560	30 X 11 MR		Builds aluminum boats to 30 meters.
John Bludworth Shipyard, LLC P.O. Box 2441 Corpus Christi, TX 78403	107 X 25 FD	<u>35</u> 101	Repair and construction of boats and barges.
Keith Marine, Inc. P.O. Box 187 Palatka, FL 32178-0187			Builds small boats.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Kiewit Offshore Services 2440 Kiewit Road Ingleside, TX 78362	Fabrication of offshore structures.
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LeTourneau P.O. Box 2307 Longview, TX 75606	Offshore oil rig construction.
---	--------------------------------

(2) 119 X 91 SW
(2) 134 X 107 LL

Main Iron Works, Inc. P.O. Box 1918 Houma, LA 70361	Builds small boats.
---	---------------------

24 X 12 FD 152
43 X 16 FD 335
46 X 15 FD
49 X 21 FD
61 X 27 FD

Master Boat Builders, Inc. P.O. Box 702 Bayou La Batre, AL 36509	Builds small boats.
--	---------------------

41 X 9 LL
46 X 11 LL
61 X 18 LL

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Master Marine, Inc. P.O. Box 665 Bayou La Batre, AL 36509			Boat building and repair.
	29 X 7 SW	<u>122</u>	
	40 X 9 SW	<u>402</u>	
	50 X 12 SW		
	34 X 8 FD		
	56 X 13 FD		

Midship Marine 1901 Destrehan Avenue Harvey, LA 70058-1101			Builds aluminum boats to 49 meters.
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Neuille Boat Works, Inc. 6402 Daspit Road New Iberia, LA 70560			Builds aluminum boats 12-43 meters.
--	--	--	--

Premier Industries P.O. Box 1103 Port Sulphur, LA 70083			Fabrication and drill rig conversions.
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Progressive Industrial 1412 18th Avenue Drive, East Palmetto, FL 34221-6500			Builds tugs and OSV's.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Queen Craft Shipyard
3615 Calhoun Avenue
Panama City, FL 32405

Builds small boats.

Royal Crown Yachts
5353 W. Tyson Avenue
Tampa Bay, FL 33611-3225

Builds small ferries and yachts.

Sea-Fab, Inc.
4111 Cedar Street
Pascagoula, MS 39567

Small boat construction.

SEMCO
P.O. Box 460
LaFitte, LA 70067-5314

Builds tugs and OSV's.

St. Augustine Marine
404 South Riberia Street, Suite A
St. Augustine, FL 32084

Builds small boats.

Swiftships Shipbuilders, LLC
1105 Levee Road, P.O. Box 2869
Morgan City, LA 70381

Builds small vessels.

61 X 12 SW	<u>305</u>
56 X 10 TR	483

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u>
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

GULF COAST

Textron Marine and Land Systems, Division of Textron, Inc. 19401 Chef Menteur Highway New Orleans, LA 70129	(3) 69 X 15 LL	<u>274</u> 488	Builds small boats.
Thoma-Sea Boat Builders, Inc. P.O. Box 53 Bourg, LA 70343			Builds OSV's and tug boats.
United States Marine, Inc. 19807 Chef Meneur Highway New Orleans, LA 70129			Builds small aluminum and composite boats up to 25 meters.
Verret Shipyard 29120 Highway 75 Plaquemine, LA 70764-6101	91 X 9 LL		Builds small boats.
VT - Halter Moss Point Marine 7801 Trinity Drive Escatawapa, MS 39552	162 X 25 SW 69 X 25 SW 91 X 25 SW	<u>328</u> 328	Construction of barges and small vessels.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

WEST COAST

All American Marine, Inc. 201 Harris Avenue Bellingham, WA 98225-7018	Builds aluminum boats.
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Aluminum Marine Construction, Inc. (ALMAR) 2301 East Dock Street Tacoma, WA 98402	Builds aluminum boats up to 11 meters.
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Kvichak Marine Industries, Inc. 469 NW Bowdoin Place Seattle, WA 98107	Aluminum vessel construction and repair. <div style="text-align: center;"> $\frac{15}{15}$ </div>
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Modutech Marine, Inc. 2218 Marine View Drive Tacoma, WA 98422	Builds small boats.
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Northwind Marine, Inc. 511 South Webster Street Seattle, WA 98108-4138	Builds small vessels.
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Oregon Iron Works, Inc. 9700 Southeast Lawnfield Road Clackamas, OR 97015	Fabricated structural materials.
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Fabricators/Manufacturers of Maritime Vessels

WEST COAST

Rozema Boat Works 11130 Bayview Edison Road Mount Vernon, WA 98273-8216	Builds small aluminum boats.
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SAFE Boats International 8800 Barney White Road Port Orchard, WA 98367	Builds foam stabilized aluminum boats to 14 meters.
--	---

Western Towboat Company 617 N.W. 40th Street Seattle, WA 98107	113 X 24 LL	Builds tugs to 37 meters for their own use.
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Willard Marine, Inc. 1250 North Grove Street Anaheim, CA 92806	Builds small fiberglass boats.
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Workskiff, Inc. 856 N. Hill Boulevard Burlington, WA 98233	Builds aluminum boats under 9 meters.
--	---------------------------------------

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
		Usable Length	Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

GREAT LAKES

Skipperliner Industries, Inc.
621 Park Plaza Drive
LaCrosse, WI 54601

Builds small boats.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Fabricators/Manufacturers of Maritime Vessels

INLAND

Bentz Boats, LLC
 613 Bryden #C
 Lewiston, ID 83501

Builds commercial aluminum
 jet boats for shallow water use.

Mark Steel
 455 W 600 S
 Salt Lake City, UT 84101-2213

Builds small ferries.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u>	<u>Remarks</u>
			<u>Usable Length</u>
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Fabricators/Manufacturers of Maritime Vessels

NON-CONUS

Allen Marine, Inc. 1512 Sawmill Creek Road Sitka, AK 99835-9703			Construction of small boats and ferries.
	20 X 7 TR	<u>366</u>	
	30 X 9 TR	<u>366</u>	

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Barge Building and Repair Companies

EAST COAST

Rockland Marine Corporation P.O. Box 309 Rockland, ME 04841			Builds barges.
	55 X 18 SW	<u>165</u>	
	46 X 15 FD	241	
	64 X 13 FD		
	64 X 9 FD		
<hr/>			
SENESCO / Southeastern New England Shipbuilding Corporation 10 MacNaught Street, P.O. Box 377 North Kingtown, RI 02852	(2) 91 X 30 SW 99 X 25 FD		Builds barges and marine vessels.
<hr/>			
TEC Skanska P.O. Box 57 Norfolk, VA 23501	107 X 24 SW	<u>64</u> 128	Barge builder.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		<u>Longest</u> Total Linear	
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock		
	MR -- Marine Railway		
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Barge Building and Repair Companies

GULF COAST

Barnett Marine, Inc. 2709 Concord Road Belle Chasse, LA 70037	42 X 18 FD 45 X 24 FD 46 X 30 FD	<u>30</u> 61	Construction, repair and conversion of barges.
Bay Fabrication, Inc. P.O. Box 537 Ama, LA 70031-0537			Barge repair.
Channel Shipyard Company, Inc. P.O. Box 926 Highlands, TX 77571			Barge and tank cleaning.
David Industries, Inc. P.O. Box 425 Cut Off, LA 70373			Repair of barges and small vessels.
Elmwood Drydock & Repair, Inc., Baton Rouge Mile Marker 225 Baton Rouge, LA 70801	17 X 63 FD		Barge repair.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Barge Building and Repair Companies

GULF COAST

JANTRAN, Inc. P.O. Box 397 Rose Dale, MS 38769	57 X 19 FD		Boat and barge repair.
L.M.S. Shipmanagement, Inc. P.O. Box 58409 New Orleans, LA 70153-8409			Repairs company owned barges.
Marine Inland Fabricators 1725 Buchanan Street Southport, FL 32409			Builds barges and small boats.
McDonough Marine Service 1750 Clearview Parkway Metairie, LA 70001-2470			Repair to company owned barges only.
NICOR National Louisiana, Inc. P.O. Box 1148 Harvey, LA 70059			Barge maintenance and repair.
Offshore Shipbuilders, Inc. 5342 Highway 311 Houma, LA 70360-2880			Construction of barges.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	<u>Total Linear</u>	
	LL -- Land Level Position		
	SL -- Syncrolift		
	TR -- Travel Lift		

Lengths are in Meters

Barge Building and Repair Companies

GULF COAST

Plaquemine Point Shipyard 1070 River Road Sunshine, LA 70780	Barge repair and cleaning. 30 X 21 FD
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Port Neches Towing, Inc. P.O. Box 637 Port Neches, TX 77651	Services their own barges. $\frac{76}{76}$
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Red Fox Companies P.O. Drawer 10539 New Iberia, LA 70562	Builds barges.
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Southwest Shipyard LP 18310 Market Street Channelview, TX 77530-3858	Repair of tank barges. (2) 91 X 18 FD $\frac{427}{427}$ 91 X 18 MR
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Superior Boat Works, Inc. P.O. Box 8 Greenville, MS 38702	Barge repair. 46 X 16 FD (2) 46 X 18 FD
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MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Barge Building and Repair Companies

GULF COAST

T.T. Barge Services 83 Hickory Avenue Harahan, LA 70123	Barge maintenance and repair.
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Trinity Madisonville Highway 21 Madisonville, LA 70447	Builds barges.
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91 X 16 SW

Trinity Port Allen P.O. Box 108 Port Allen, LA 70767	Builds barges.
--	----------------

61 X 12 SW

Vessel Repair, Inc. P.O. Box 2207 Port Arthur, TX 77643	Repairs barges and small vessels.
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84 X 20 FD
(2) 69 X 9 MR

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyard Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Barge Building and Repair Companies

WEST COAST

Diversified Marine, Inc.
P.O. Box 83723
Portland, OR 97283-0723

Barge builder.

Sundial Marine Tug & Barge Works, Inc.
5605 N.E. Sundial Road
Troutdale, OR 97060

91 X 18 SW	122
91 X 21 FD	488

Construction and repair of
barges and small vessels.

Thompson Metal Fabricators
P.O. Box 5276
Vancouver, WA 98668

Barge builder.

Zidell Marine Corporation
3121 S.W. Moody Avenue
Portland, OR 97201

104 X 27 SW

Construction of barges and
small boats.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
Shipyards Name and Address	SW -- Shipway		
	GD -- Graving Drydock		
	FD -- Floating Drydock	<u>Longest</u>	
	MR -- Marine Railway	Total Linear	
	LL -- Land Level Position		
	SL -- Syncrolift		Lengths are in Meters
	TR -- Travel Lift		

Barge Building and Repair Companies

GREAT LAKES

Basic Marine
440 North 10th Street
Escanaba, MI 49829

Build and repairs barges and
small boats.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Barge Building and Repair Companies

INLAND

Amherst Industries, Inc. 2 Port Amherst Drive Charleston, WV 25306	55 X 13 FD	Topside repairs to towboats, tugs and barges.
C & C Marine Maintenance Company 1500 State Street North Clairton, PA 15025		Barge repair.
Hannah Marine Shipyards Division 13155 Grant Road Lemont, IL 60439		Barge cleaning.
HBC Barge LLC 18 Paul Thomas Blvd Brownsville, PA 15417		Builds barges.
Jeffboat, LLC 1030 E. Market Street Jeffersonville, IN 41730	152 X 26 SW 61 X 19 FD 67 X 18 FD	Construction of inland river-type equipment, towboats, barges, etc.
McGinnis, Inc. P.O. Box 534 South Point, OH 45680		Repair of barges and towboats.

MEDIUM AND SMALL SIZE U.S. PRIVATE SHIPYARDS

Shipyards Name and Address	<u>Maximum Ship Size</u> (LOA X Beam)	<u>Berths/Piers</u> Usable Length	<u>Remarks</u> Type of work usually engaged in
		SW -- Shipway GD -- Graving Drydock FD -- Floating Drydock MR -- Marine Railway LL -- Land Level Position SL -- Syncrolift TR -- Travel Lift	<u>Longest</u> Total Linear

Barge Building and Repair Companies

INLAND

Serodino, Inc. 100 Hamm Road Chattanooga, TN 37405	MR	Builds barges and small boats.
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Trinity Ashland City 1050 Trinity Road Ashland City, TN 37015	111 X 22 SW	Builds barges.
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Trinity Caruthersville Highway 84 West Caruthersville, MO 63830		Builds barges.
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Trinity Nashville 101 Shelby Street Nashville, TN 37213		Builds barges.
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Yager Marine Industries 5001 Highway 60 East Owensboro, KY 42303		New construction and repair of barges and towboats.
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APPENDIX D

ALPHABETICAL INDEX OF SHIPYARDS

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ALPHABETICAL INDEX

<u>Shipyard</u>	<u>Page</u>
A & B Industries	63, 65, C-4
Acadian Shipyard, Inc.	C-17
Aker Gulf Marine	C-29
Al Larson Boat Shop	C-11
Alabama Shipyard	19, 47, 63, 65, B-14
Alaska Ship & Drydock, Inc.	23, B-31
All American Marine, Inc.	63, 65, C-35
Allen Marine, Inc.	63, 65, C-39
Allied Shipyard, Inc.	C-4
Aluminum Marine Construction, Inc. (ALMAR)	63, 65, C-35
AMFELS, Inc.	19, 47, 63, 65, B-14
Amherst Industries, Inc.	C-48
Anfrank Metal Fabricating Ind., Inc.	C-16
Associated Naval Architects, Inc.	18, B-9
Astoria Marine Construction Company	C-21
Atlantic Dry Dock Corporation	17, 47, 53, 54, 65, B-5
Atlantic Marine – Mobile	19, B-16
Austal USA	63, 65, C-4
B & A Marine Company, Inc.	C-16
Baltimore Marine Industries, Inc.	17, 47, B-5
Barnett Marine Inc.	C-41
Basic Marine	63, 65, C-47
Bath Iron Works Corporation	17, 26, 27, 46, 52, 54, 65, B-3
Bay Fabrication Inc.	C-41
Bay Ship & Yacht Company, Alameda	21, B-26
Bay Ship & Yacht Company, Richmond	21, B-26
Bay Shipbuilding Company	22, 47, 63, 65, B-28
Bayonne Dry Dock & Repair Corporation	17, B-6
Bender Shipbuilding and Repair Company, Inc.	19, 28, 29, 46, 49, 63, 65, B-12
Bentz Boats, LLC	63, 65, C-38
Berwick Shipyard Corporation	C-17
Blount-Barker Shipbuilding Corporation	63, 65, C-26
Boconco Shipyard	65, C-29
Boland Marine & Mfg. Company, Inc.	20, B-18
Bollinger Algiers, LLC	20, 63, 65, B-18
Bollinger Amelia Repair, LLC	C-18
Bollinger Calcasieu	20, B-18
Bollinger Fourchon, LLC	C-18

ALPHABETICAL INDEX

<u>Shipyard</u>	<u>Page</u>
Bollinger Gretna	63, C-4
Bollinger Gulf Repair	19, B-16
Bollinger Houston	19, B-16
Bollinger Larose, LLC	C-5
Bollinger Lockport, LLC	20, 63, 65, B-18
Bollinger Marine Fabricators, LLC	63, 65, C-5
Bollinger Morgan City, LLC	C-5
Bollinger Quick Repair, LLC	C-5
Bollinger Texas City	20, B-19
Border Shipyards Inc.	C-17
Boston Whaler, Inc.	C-26
Breaux Brothers	63, 65, C-5
Breaux's Bay Craft, Inc.	63, 65, C-6
Buck Kreihs Company, Inc.	20, B-19
Burton Shipyard Inc.	C-18
C & C Marine Maintenance Company	C-48
C & G Boat Works	63, 65, C-6
Caddell Dry Dock & Repair Company, Inc.	17, B-6
Cascade General, Inc.	21, B-24
CBH Services, Inc.	20, B-19
Channel Shipyard Company, Inc.	C-41
Chesapeake Shipbuilding Corporation	63, 65, C-3
Cleveland Ship Repair Company	C-23
Colonna's Shipyard, Inc.	17, B-6
Conrad Shipyard, Inc.	63, 65, C-6
Continental Maritime of San Diego, Inc.	21, B-26
Corinthian Catamarans, Inc.	C-29
Corn Island, Inc.	63, 65
Crumpler's Shipbuilding Company, Inc.	C-6
Dakota Creek Industries, Inc.	21, 65, B-26
David Industries, Inc.	C-41
Davis Boat Works, Inc.	C-16
Derecktor Shipyards Connecticut	63, 65, C-26
Derecktor Shipyards New York	65, C-26
Detyens Shipyards, Inc., Main Yard	17, B-7
Detyens Shipyards, Inc., Wando Division	17, B-7
Diversified Marine, Inc.	65, C-46
Dixie Machine Welding & Metal Works, Inc.	20, B-19
Duwamish Shipyard, Inc.	C-21
Eagle Drydock and Marine Repairs	63
Eastern Shipbuilding Group	63, 65, C-6

ALPHABETICAL INDEX

<u>Shipyard</u>	<u>Page</u>
Eastern Technical Enterprises, Inc.	17, B-7
Economic Development & Industrial Corporation of Boston	17, B-7
Electric Boat Corporation	17, 30, 31, 46, B-3
Ellicott International	C-26
Elmwood Drydock & Repair, Inc., Baton Rouge	C-41
Elmwood Drydock & Repair, Inc., Convent	C-42
Elmwood Drydock & Repair, Inc., Harvey	C-42
Elmwood Drydock & Repair, Inc., Myrtle Grove	C-42
Elmwood Drydock & Repair, Inc., Reserve	C-42
Everett Shipyard, Inc.	21, B-26
Farmer's Marine Copper Works, Inc.	C-29
Foss Shipyard	21, B-27
Fraser Shipyards, Inc.	22, 47, B-28
Freeport Shipbuilding Group	63, 65, C-7
GEO Shipyards	63, 65, C-7
Gladding-Hearn Shipbuilding	63, 65, C-3
Glendale Boat Works, Inc.	C-7
GMD Shipyard Corporation	17, B-7
Great Lakes Towing Shipyard	C-23
Gulf Copper and Manufacturing Corporation	20, B-19
Gulf County Shipbuilding	63, 65, C-29
Gulf Craft, Inc.	63, 65, C-29
Gulf Marine Repair Corporation	19, B-16
Gunderson, Inc.	21, 47, 63, 65, B-23
H & H Marine, Inc.	C-26
H. Hansen Industries	22, B-30
Hannah Marine Shipyard Divison	C-48
Harrison Bros. Dry Dock, Inc.	C-30
Hartley Marine Corp d.b.a. Walker Boat Yard, Inc	C-23
HBC Barge, LLC	65, C-48
Hendry Corporation	20, B-20
Henry Marine Service, Inc.	C-18
Honolulu Marine, Inc.	C-25
Honolulu Shipyards, Inc.	23, B-31
Hope Services, Inc.	63, 65, C-30
Horizon Shipbuilding, Inc.	63, 65, C-7
Houma Fabricators Inc.	65, C-7
Houston Ship Repair, Inc., Brady Island Ship Repair Facility	20, B-20
Hudson Drydocks, Inc.	C-18
Inland Boat Works	66, C-30
Intercoastal Marine Repair, LLC	C-42

ALPHABETICAL INDEX

<u>Shipyard</u>	<u>Page</u>
Intermarine Savannah	17, 47, 63, 66, B-5
International Ship Repair & Marine Services, Inc	19, B-17
Intracoastal City Drydock & Shipbuilding, Inc.	C-8
Island Boat Works	63, 66, C-30
James Marine, Inc.	C-23
JANTRAN, Inc.	C-43
Jeffboat, LLC	63, 66, C-48
John Bludworth Shipyard, LLC	63, 66, C-30
Keith Marine, Inc.	63, 66, C-30
Kennedy Ship and Repair	C-8
Kerney Service Group, Inc.	18, B-9
Kiewit Offshore Services	C-31
Kiva Construction & Engineering, Inc.	C-18
Knight & Carver Yacht Center	63
Kody Marine, Inc.	63, 66, C-8
Kremer Marine, Inc.	C-18
Kvaerner Philadelphia Shipyard, Inc.	17, 32, 33, 46, 49, 52, 63, B-3
Kvichak Marine Industries, Inc.	63, 66, C-35
L.M.S. Shipmanagement Inc.	C-43
LA Dock Company, Baton Rouge Shipyard	C-19
LaForce Shipyard	63, 66
Lake Union Drydock Company	21, B-24
LEEVAC Industries, LLC	63, 66, C-8
LeTourneau	63, C-31
Lyon Shipyards, Inc.	C-16
Main Iron Works, Inc.	63, 66, C-31
MAR COM, Inc.	21, 66, B-24
MARCO Shipyard, Seattle	63, 66, C-11
Marine Builders, Inc.	64, 66, C-13
Marine Hydraulics International, Inc.	18, B-9
Marine Industries Northwest, Inc.	C-11
Marine Inland Fabricators	64, 66, C-43
Marinette Marine Corporation	22, 47, 64, 66, B-28
Marisco, Ltd.	23, B-31
Mark Steel	C-38
Master Boat Builders, Inc.	64, 66, C-31
Master Marine, Inc.	C-32
May Ship Repair Contracting Corporation	C-15
McDonough Marine Service	C-43
McGinnis, Inc.	C-48

ALPHABETICAL INDEX

<u>Shipyard</u>	<u>Page</u>
Metal Trades, Inc.	18, B-9
Metro Machine Corporation	17, B-8
Metro Machine Corporation, Industrial Products Division	22, 47, B-28
Metro Machine Corporation, Philadelphia Division	17, B-8
Midship Marine	C-32
Mississippi Marine Corporation	66, C-8
Missouri Drydock & Repair Company	C-24
Modutech Marine, Inc.	64, 66, C-35
Moon Engineering Company, Inc.	18, B-9
Muller Boat Works, Inc.	C-27
National Maintenance & Repair, Inc.	C-13
National Steel & Shipbuilding Company	21, 34, 35, 46, 49, 52, 54, 55, 64, 66, B-22
Neuville Boat Works, Inc.	64, 66, C-32
Newpark Shipbuilding & Repair, Inc., Brady Island	20, 64, 66, B-20
Newpark Shipbuilding & Repair, Inc., Pasadena	20, 64, 66, B-20
Newpark Shipbuilding & Repair, Inc., Pelican Island	20, 64, 66, B-21
Newport Shipyard Company, LLC	18, B-10
Nichols Brothers Boat Builders	64, 66, C-11
Nicholson Terminal & Dock Company	22, B-30
NICOR National Louisiana, Inc.	C-43
Norfolk Shipbuilding & Drydock Corporation, Berkeley	17, B-8
Norfolk Shiprepair & Drydock Corporation	18, B-10
North American Shipbuilding	64, 66, C-9
North Florida Shipyard, Inc.	17, B-8
Northlake Shipyard, Inc.	C-12
Northrop Grumman Ship Systems, Avondale Operations	19, 36, 37, 38, 46, 49, 53, 54, 55, 66, B-12
Northrop Grumman Ship Systems, Gulfport Operations	C-9
Northrop Grumman Ship Systems, Ingalls Operations	19, 36, 37, 39, 46, 52, 54, 66, B-13
Northrop Grumman Newport News	17, 40, 41, 46, B-4
Northwind Marine, Inc.	66, C-35
Ocean Technical Services, Inc.	C-19
Offshore Shipbuilders, Inc.	C-43
Orange Shipbuilding Company, Inc.	20, 64, 66, B-21
Oregon Iron Works, Inc.	C-35
Pacific Fishermen, Inc.	21, B-27
Palmer Johnson, Inc.	64

ALPHABETICAL INDEX

<u>Shipyard</u>	<u>Page</u>
Patriot Marine Fabricating	C-27
Patti Shipyard, Inc.	64, 66, C-9
Penn Yan Mfg. Corporation	64
Plaquemine Point Shipyard	C-44
Port Neches Towing, Inc.	C-44
Premier Industries	C-32
Progressive Industrial	C-32
Promet Marine Services Corporation	18, B-10
Puglia Engineering, Inc. dba Fairhaven Shipyard	21, B-24
Quality Shipyards, Inc.	64, 66, C-9
Queen Craft Shipyard	64, C-33
R & R Marine Fabrication and Drydock	C-19
R & R Marine Fabrication and Drydock, North Yard	C-19
R & R Marine Maintenance	C-9
Red Fox Companies	66, C-44
Reynolds Shipyard Corporation	18, B-10
Rockland Marine Corporation	66, C-40
Rodriguez Boat Builders, Inc.	64, 66, C-10
Royal Crown Yachts	C-33
Rozema Boat Works	64, C-36
Sabine Shipyard, Inc.	20, B-21
SAFE Boats International	64, 66, C-36
San Francisco Drydock, Inc.	21, B-24
San Pedro Boat Works	21, B-27
SeaArk Marine, Inc.	64, 66, C-13
Sea-Fab Inc.	C-33
Seacraft Shipyard Corporation	66, C-19
SEMCO	C-33
Serodino Inc.	64, 66, C-49
Seward Ship's Drydock, Inc.	C-14
Signal International, LLC – East Yard	19, 47, B-14
Signal International Texas, LP – D.O.C. Yard	19, B-17
Signal International Texas, LP – North Yard	66
Signal International Texas, LP – Orange Yard	20, B-21
Skipperliner Industries, Inc.	64, 66, C-37
Sneed Shipbuilding, Inc., Channelview	C-10
Sneed Shipbuilding, Inc., Orange	67, C-10
Southeastern New England Shipbuilding Corporation (SENESCO)	64, 67, C-40
Southern Oregon Marine, Inc. (SOMAR)	C-12
Southwest Marine, Inc., Ingleside Division	C-20
Southwest Marine, Inc., San Diego Division	21, B-25

ALPHABETICAL INDEX

<u>Shipyard</u>	<u>Page</u>
Southwest Marine, Inc., San Pedro Division	21, B-25
Southwest Shipyard LP	C-44
SPEEDE Shipyard, LLC	17, B-8
St. Augustine Marine	C-33
Steel Style, Inc.	18, B-10
Steiner Shipyard, Inc.	64, 67
Stevens Marine Services, Inc.	C-27
Stone Boat Yard, Inc.	C-21
Sun State Marine Services, Inc.	C-10
Sundial Marine Tug & Barge Works, Inc.	67, C-46
Superior Boat Work, Inc.	C-44
Swiftships Shipbuilders, LLC	64, 67, C-33
T.T. Barge Services	C-45
Tampa Bay Shipbuilding & Repair Company	19, 47, B-14
TEC Skanska	C-40
Textron Marine and Land Systems	67, C-34
Thames Shipyard & Repair Company, Inc.	C-17
The General Ship Repair Corporation	18, B-11
The Hinckley Company	18, B-11
Thoma-Sea Boat Builders, Inc.	64, 67, C-34
Thomas Marine, Inc.	C-27
Thompson Metal Fabricators	C-46
Todd Pacific Shipyards Corporation	21, 47, B-23
Toledo Ship Repair Company, Toledo Shipyard	22, B-29
Tri-Kat Marine, Inc.	C-20
Tri-Star Marine	C-39
Trinity Ashland City	64, 67, C-49
Trinity Caruthersville	64, 67, C-49
Trinity Madisonville	64, 67, C-45
Trinity Nashville	C-49
Trinity Port Allen	64, 67, C-45
United Marine Enterprise, Inc., Port Arthur Shipyard	19, 47, 64, B-14
United States Marine, Inc.	67, C-34
Ventura Harbor Boatyard Inc.	C-21
Verret Shipyard	64, 67, C-34
Vessel Repair, Inc.	C-45
Vinette Company	C-22
Violet Dock Port, Inc.	C-20
VT – Halter Lockport	67
VT – Halter Bienville	67
VT – Halter Marine Gulfport	67

ALPHABETICAL INDEX

<u>Shipyard</u>	<u>Page</u>
VT – Halter Marine Pascagoula	19, 42, 43, 46, 49, B-13
VT – Halter Moss Point	19, 42, 47, 64, 67, B-15
VT – Halter Moss Point Marine	64, 67, C-34
Washburn & Doughty Assoc., Inc.	64, 67, C-27
Western Towboat Company	64, C-36
Willard Marine, Inc.	C-36
William E. Munson Company	67, C-12
Williamson Boat Works	C-10
Winninghoff Boats, Inc.	64, 67, C-28
Workskiff, Inc.	64, 67, C-36
Yager Marine Industries	C-49
Yank Marine	C-3
Zidell Marine Corporation	64, 67, C-46
Zimco Marine Inc.	C-20